GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 21:37:26 ; Search time 357.113 Seconds
(without alignments)
10313.561 Million cell updates/sec

Title: US-10-755-466-1
Perfect score: 2072
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2072	100.0	2072	3	US-09-786-681A-1	Sequence 1, Appli
2	1814	87.5	1827	3	US-09-786-681A-3	Sequence 3, Appli
3	444	21.4	444	3	US-09-621-976-18829	Sequence 18829, A
4	383.4	18.5	440	3	US-09-513-999C-3708	Sequence 3708, Ap
c 5	369.8	17.8	771	3	US-09-270-767-679	Sequence 679, App
c 6	369.8	17.8	771	3	US-09-270-767-15961	Sequence 15961, A
7	364.8	17.6	433	3	US-09-513-999C-3502	Sequence 3502, Ap
8	230.8	11.1	571	3	US-09-270-767-28434	Sequence 28434, A
9	230.8	11.1	1151	3	US-09-270-767-12633	Sequence 12633, A
10	227.6	11.0	2391	3	US-09-949-016-3623	Sequence 3623, Ap
11	227.6	11.0	2805	3	US-08-959-004-6	Sequence 6, Appli
12	226	10.9	1878	3	US-10-104-047-1699	Sequence 1699, Ap
13	161.2	7.8	995	3	US-09-270-767-14715	Sequence 14715, A
14	132.8	6.4	726	3	US-09-248-796A-6208	Sequence 6208, Ap
c 15	122	5.9	499	3	US-09-949-016-1721	Sequence 1721, Ap
16	112.4	5.4	768	3	US-09-495-050A-10	Sequence 10, Appl
17	101	4.9	262	3	US-09-313-294A-2292	Sequence 2292, Ap
c 18	91.6	4.4	769	3	US-09-385-982-530	Sequence 530, App
c 19	79.8	3.9	227	3	US-09-490-609B-49	Sequence 49, Appl
c 20	70	3.4	601	3	US-09-949-016-59256	Sequence 59256, A
c 21	70	3.4	15148	3	US-09-949-016-13463	Sequence 13463, A
c 22	64.6	3.1	302	3	US-09-702-705-1002	Sequence 1002, Ap
c 23	64.6	3.1	302	3	US-09-736-457-1002	Sequence 1002, Ap
c 24	64.6	3.1	302	3	US-09-614-124B-1002	Sequence 1002, Ap
c 25	64.6	3.1	302	3	US-09-671-325-1002	Sequence 1002, Ap
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c 32	55.6	2.7	6065	3	US-09-800-729-35	Sequence 35, Appl
33	54.8	2.6	1379	3	US-09-895-593-10	Sequence 10, Appl
c 34	54.2	2.6	865	3	US-09-205-258-227	Sequence 227, App
c 35	54.2	2.6	865	3	US-10-004-860-227	Sequence 227, App
c 36	52	2.5	194	3	US-09-621-976-9596	Sequence 9596, Ap
c 37	52	2.5	687	3	US-09-774-639-106	Sequence 106, App
38	52	2.5	4586	2	US-08-832-883-53	Sequence 53, Appl
39	52	2.5	4586	2	US-08-832-877-53	Sequence 53, Appl
40	51.8	2.5	7218	2	US-08-232-463-14	Sequence 14, Appl
41	51.4	2.5	10124	3	US-09-949-016-1507	Sequence 1507, Ap
42	51.4	2.5	264206	3	US-09-949-016-12731	Sequence 12731, A
43	51.4	2.5	264304	3	US-09-949-016-13249	Sequence 13249, A
44	51.2	2.5	196	3	US-09-442-054A-42	Sequence 42, Appl
c 45	51.2	2.5	196	3	US-09-442-054A-42	Sequence 42, Appl

ALIGNMENTS

RESULT 1
US-09-786-681A-1
; Sequence 1, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786,681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2072
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)..(1794)
US-09-786-681A-1

Query Match 100.0%; Score 2072; DB 3; Length 2072;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2072; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
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; Sequence 3, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786,681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 1827
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(1747)
US-09-786-681A-3

Query Match 87.5%; Score 1814; DB 3; Length 1827;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1814; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
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Db      1574 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1633

Qy      1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1634 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1693

Qy      1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1694 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1753

Qy      1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1754 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1813

Qy      1861 AAAAACAAACAAAC 1874
             ||||||||||||||
Db      1814 AAAAACAAACAAAC 1827
```

RESULT 3
US-09-621-976-18829
; Sequence 18829, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18829
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18829

Query Match 21.4%; Score 444; DB 3; Length 444;

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  Best Local Similarity   100.0%;  Pred. No. 1.5e-93;
  Matches  444;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        550 CTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCA 609
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCA 60

Qy        610 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 669
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 120

Qy        670 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 729
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 180

Qy        730 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 789
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 240

Qy        790 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 849
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 300

Qy        850 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 909
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 360

Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 420

Qy        970 GAAGATTTATATACTGAGAGGGGA 993
              ||||||||||||||||||||||||
Db        421 GAAGATTTATATACTGAGAGGGGA 444


RESULT 4
US-09-513-999C-3708
; Sequence 3708, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
;  APPLICANT: Dumas Milne Edwards, J.B.
;  APPLICANT:  Duclert, A.
;  APPLICANT:  Giordano, J.Y.
;  TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
;  FILE REFERENCE: 59.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/513,999C
;  CURRENT FILING DATE:  2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/122,487
;  PRIOR FILING DATE: 1999-02-26
;  NUMBER OF SEQ ID NOS: 36681
;  SOFTWARE: Patent.pm
; SEQ ID NO 3708
;   LENGTH: 440
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 180..440
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 151
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 155
;   OTHER INFORMATION: s=g or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 162
;   OTHER INFORMATION: k=g or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 184
;   OTHER INFORMATION: n=a, g, c or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 323
;   OTHER INFORMATION: w=a or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 343
;   OTHER INFORMATION: n=a, g, c or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 397
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 400
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 2
;   OTHER INFORMATION: Xaa=Lys or Met or Arg or Thr
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 55
;   OTHER INFORMATION: Xaa=Ala or Asp or Gly or Val
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 73
;   OTHER INFORMATION: Xaa=Ala or Asp
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 74
;   OTHER INFORMATION: Xaa=Lys or Thr
US-09-513-999C-3708

  Query Match            18.5%;  Score 383.4;  DB 3;  Length 440;
  Best Local Similarity   95.7%;  Pred. No. 1.8e-79;
  Matches  420;  Conservative    5;  Mismatches    8;  Indels    6;  Gaps    3;

Qy        638 TTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGT 697
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 TTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGT 61

Qy        698 TTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTT 757
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         62 TTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTT 121

Qy        758 TAATGAGAACATTAAGAAAAG----ATTATGCTCGGTACAGTAAAGAGGAAGAAATGGAT 813
              ||||||||||||||||||||    | |   :||||||:||||||||||||||||||||
Db        122 TAATGAGAACATTAAGAAAAGAATTAATGMCTCSGGTACAKTAAAGAGGAAGAAATGGAT 181

Qy        814 GAT-ATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATT 872
              ||  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        182 GANGATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATT 241

Qy        873 TAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATT 932
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        242 TAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATT 301

Qy        933 TGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGG 992
              ||||||||||||||||||:||||||||||||||||| ||||||||||||||||||||||
Db        302 TGCTGTGTCTCTCATCGTTATWATTGTTGCAATGATAGAAGNTTTATATACTGAGAGGGG 361

Qy        993 ATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCT-CCAGTGAATGGTTATT 1051
              ||||||||||||||||||||||||||||||||||:||:|||| ||||||||||||||||
Db        362 ATCAATGCTCAGTACAGCCATATTTGTCTATGCTGMTAMGTCTCCCAGTGAATGGTTATT 421

Qy       1052 TTGGAGGAAGTCTGTATGC 1070
              ||||||||||||||||||||
Db        422 TTGGAGGAAGTCTGTATGC 440
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RESULT 5
US-09-270-767-679/c
; Sequence 679, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 679
;   LENGTH: 771
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-679

  Query Match             17.8%;  Score 369.8;  DB 3;  Length 771;
  Best Local Similarity   67.7%;  Pred. No. 3.2e-76;
  Matches  518;  Conservative    0;  Mismatches  247;  Indels    0;  Gaps    0;

Qy        610 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 669
              || || |||||         | ||| | ||  |  ||||||| ||||| || || |||||
Db        765 GTCAACTGGAAGCCCAGCAAGGTGGAGTTCAAGAATCGATTCGACAAGTACCTGGATCCC 706

Qy        670 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 729
                ||| || || ||  |||| || |||||    || ||||||  ||||||||||||| |||
Db        705 AACTTCTTCCAGCACAGGATCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCATC 646

Qy        730 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 789
              ||| |||||||  | || || |||||| | ||| ||||  |  | || ||||||||||||
Db        645 TTCCTGGTGGGTCTGGTGTCCATGATTCTGATGCGAACTCTGCGCAAGGATTATGCTCGG 586

Qy        790 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 849
              |||||||| || || ||||| || || |||||  |||| || || |||||||| || |||
Db        585 TACAGTAAGGACGAGGAAATCGACGACATGGAGCGAGATCTTGGTGATGAATACGGCTGG 526

Qy        850 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 909
              || |||||||||||| ||||| ||  |  |  |  || ||||| | || ||  |  ||
Db        525 AAGCAGGTGCATGGCGATGTCTTCCGTTCTCCGCCCAACACACTGCTCTTCTCGGCGTTG 466

Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
              | ||  ||||||  ||  |  || |  ||    ||  || || ||  | || ||  |
Db        465 GTGGGCGCTGGATACCAACTGATTTCGGTTGTATTCTGTGTGATCATGTTCGCCATAGTT 406

Qy        970 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
              |  || || || || ||  | || || |||||    || || |||||||| ||||| ||
Db        405 GGTGAATTGTACACGGAACGCGGCTCCATGCTGTCCACGGCTATATTTGTGTATGCCGCC 346

Qy       1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1089
              || || ||| | ||||| || |||||||||   || ||||| | |  || ||| | |
Db        345 ACCTCACCAATCAATGGATACTTTGGAGGATCGCTCTATGCCCGCCTGGGTGGACGCATG 286

Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
              |||||    |||||| |  |    || ||    | ||||     ||||| ||||| ||
Db         285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGCGGCACGGCT 226

Qy       1150 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1209
              ||| | ||||| ||||| ||||||    || || || || ||||||||||| || || ||
Db         225 TTCCTGATCAACTTCATTGCCATTGGATATCACGCCTCGAGAGCCATTCCCTTCGGTACC 166

Qy       1210 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1269
              ||||||||  ||    |||||||  | ||||| || || ||  | | ||| || |||||
Db         165 ATGGTGGCGGTCACGTGCATCTGCCTGTTTGTCATCCTGCCCTTGACTCTGGTGGGTACT 106

Qy       1270 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1329
              |  | ||||| ||||||   || || ||  |||||||  || || ||||| || |||||
Db         105 GTCGTGGGCCGCAATCTGGACGGCCAACCGGACTTTCCATGCCGCGTCAACGCGGTGCCA 46

Qy       1330 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATT 1374
              || || || || || || || |||| |||||||||   | |||||

Db         45 CGACCCATTCCCGAAAAGAAGTGGTACATGGAGCCACTGATTATT 1


RESULT 6
US-09-270-767-15961/c
; Sequence 15961, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15961
;   LENGTH: 771
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-15961

  Query Match             17.8%;  Score 369.8;  DB 3;  Length 771;
  Best Local Similarity   67.7%;  Pred. No. 3.2e-76;
  Matches  518;  Conservative    0;  Mismatches  247;  Indels    0;  Gaps    0;

Qy        610 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 669
              || || |||||         | ||| | ||  |  ||||||| ||||| || || |||||
Db        765 GTCAACTGGAAGCCCAGCAAGGTGGAGTTCAAGAATCGATTCGACAAGTACCTGGATCCC 706

Qy        670 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 729
                ||| || || ||  |||| || |||||    || ||||||  ||||||||||||| |||
Db        705 AACTTCTTCCAGCACAGGATCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCATC 646

Qy        730 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 789
              ||| |||||||  | || || |||||| | ||| ||||  |  | || ||||||||||||
Db        645 TTCCTGGTGGGTCTGGTGTCCATGATTCTGATGCGAACTCTGCGCAAGGATTATGCTCGG 586

Qy        790 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 849
              |||||||| || || ||||| || || |||||  |||| || || |||||||| || |||
Db        585 TACAGTAAGGACGAGGAAATCGACGACATGGAGCGAGATCTTGGTGATGAATACGGCTGG 526

Qy        850 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 909
              || |||||||||||| ||||| ||  |  |  |  || ||||| | || ||  |  ||
Db        525 AAGCAGGTGCATGGCGATGTCTTCCGTTCTCCGCCCAACACACTGCTCTTCTCGGCGTTG 466

Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
              | ||  ||||||  ||  |  || |  ||    ||  || || ||  | || ||  |
Db        465 GTGGGCGCTGGATACCAACTGATTTCGGTTGTATTCTGTGTGATCATGTTCGCCATAGTT 406

Qy        970 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
              |  || || || || ||  | || || |||||    || || |||||||| ||||| ||
Db        405 GGTGAATTGTACACGGAACGCGGCTCCATGCTGTCCACGGCTATATTTGTGTATGCCGCC 346

Qy       1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1089
              || || ||| | ||||| || |||||||||   || ||||| | |  || ||| | |
Db        345 ACCTCACCAATCAATGGATACTTTGGAGGATCGCTCTATGCCCGCCTGGGTGGACGCATG 286

Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
              |||||    |||||| |  |    || ||    | ||||     ||||| ||||| ||
Db         285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGCGGCACGGCT 226

Qy       1150 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1209
              ||| | ||||| ||||| ||||||    || || || || ||||||||||| || || ||
Db         225 TTCCTGATCAACTTCATTGCCATTGGATATCACGCCTCGAGAGCCATTCCCTTCGGTACC 166

Qy       1210 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1269
              ||||||||  ||    |||||||  | ||||| || || ||  | | ||| || |||||
Db         165 ATGGTGGCGGTCACGTGCATCTGCCTGTTTGTCATCCTGCCCTTGACTCTGGTGGGTACT 106

Qy       1270 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1329
              |  | ||||| ||||||   || || ||  |||||||  || || ||||| || |||||
Db         105 GTCGTGGGCCGCAATCTGGACGGCCAACCGGACTTTCCATGCCGCGTCAACGCGGTGCCA 46
```

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Qy       1330 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATT 1374
              || || || || || || || |||| |||||||||    | |||||
Db         45 CGACCCATTCCCGAAAAGAAGTGGTACATGGAGCCACTGATTATT 1

RESULT 7
US-09-513-999C-3502
; Sequence 3502, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
;  APPLICANT: Dumas Milne Edwards, J.B.
;  APPLICANT:  Duclert, A.
;  APPLICANT:  Giordano, J.Y.
;  TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
;  FILE REFERENCE: 59.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/513,999C
;  CURRENT FILING DATE:  2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/122,487
;  PRIOR FILING DATE: 1999-02-26
;  NUMBER OF SEQ ID NOS: 36681
;  SOFTWARE: Patent.pm
; SEQ ID NO 3502
;   LENGTH: 433
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 100..432
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 86
;   OTHER INFORMATION: m=a or c
US-09-513-999C-3502

  Query Match             17.6%;  Score 364.8;  DB 3;  Length 433;
  Best Local Similarity   98.9%;  Pred. No. 3.8e-75;
  Matches  366;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        124 CACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAT 183
              ||   |||||||||||||||:|||||||||||||||||||||||||||||||||||||||
Db         64 CAGCAGTATCAAGATAAAGAGGMAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAT 123

Qy        184 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGT 243
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        124 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGT 183

Qy        244 ATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGT 303
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        184 ATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGT 243

Qy        304 GGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTA 363
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        244 GGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTA 303

Qy        364 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATG 423
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        304 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATG 363

Qy        424 TACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGAT 483
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        364 TACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGAT 423

Qy        484 TACTATCTTT 493
              ||||||||||
Db        424 TACTATCTTT 433

RESULT 8
US-09-270-767-28434
; Sequence 28434, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28434
;   LENGTH: 571
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-28434

  Query Match             11.1%;  Score 230.8;  DB 3;  Length 571;
  Best Local Similarity   72.7%;  Pred. No. 5.9e-44;
  Matches  298;  Conservative    0;  Mismatches  112;  Indels    0;  Gaps    0;

Qy       1394 TACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATA 1453
              | || ||||| || ||||| ||||| ||||| |||||||||| || |||||||| || |
Db          1 TGCCCTTTGGATCCATCTTCATTGAGATGTACTTCATCTTCACCTCCTTCTGGGCGTACA 60

Qy       1454 AGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTG 1513
              ||||||| || ||||| |||||||| ||||||| |    ||||||    | || || |
Db         61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTCAGCATCCTGACTGTGGTCACCG 120

Qy       1514 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1573
              | || || || || |||||||| || || || |||||||| || |||||||| ||||| |
Db        121 TGTGCGTCACCATCGTGTGCACCTACTTCCTGCTAAATGCCGAGGATTACCGATGGCAGT 180

Qy       1574 GGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1633
              |||| |||||  |  |||| |  || ||  | || || || |||   |||||||| || |
Db        181 GGACGAGTTTCATGGCTGCGGGCTCCACGTCGATTTACGTGTACGCCTATTCCTTCTATT 240

Qy       1634 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1693
              |||  || || ||||| || ||||  ||  | || |||||  | || |||||||| || |
Db        241 ACTTCTTCTTTAAAACCAAAATGTTCGGTCTGTTCCAAACGGCCTTCTACTTTGGCTACA 300

Qy       1694 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAA 1753
              ||||  | || |||   |||||||| || || || ||  |  | || ||  |||| || |
Db        301 TGGCACTCTTCAGCGGCGCCTTGGGCATTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360

Qy       1754 GTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCC 1803
                |  |||||| || ||||||||| | |||||||||| |||||    |||
Db        361 ATCTCTTTGTGCGCAAAATCTATTCCAATGTGAAAATAGACTAAGAGCCC 410

RESULT 9
US-09-270-767-12633
; Sequence 12633, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12633
;   LENGTH: 1151
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-12633

  Query Match             11.1%;  Score 230.8;  DB 3;  Length 1151;
  Best Local Similarity   72.7%;  Pred. No. 7.6e-44;
  Matches  298;  Conservative    0;  Mismatches  112;  Indels    0;  Gaps    0;

Qy       1394 TACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATA 1453
              | || ||||| || ||||| ||||| ||||| |||||||||| || |||||||| || |
Db          1 TGCCCTTTGGATCCATCTTCATTGAGATGTACTTCATCTTCACCTCCTTCTGGGCGTACA 60

Qy       1454 AGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTG 1513
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Db        61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTCAGCATCCTGACTGTGGTCACCG 120

Qy      1514 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1573

Db       121 TGTGCGTCACCATCGTGTGCACCTACTTCCTGCTAAATGCCGAGGATTACCGATGGCAGT 180

Qy      1574 GGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1633

Db       181 GGACGAGTTTCATGGCTGCGGGCTCCACGTCGATTTACGTGTACGCCTATTCCTTCTATT 240

Qy      1634 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1693

Db       241 ACTTCTTCTTTAAAACCAAAATGTTCGGTCTGTTCCAAACGGCCTTCTACTTTGGCTACA 300

Qy      1694 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAA 1753

Db       301 TGGCACTCTTCAGCGGCGCCTTGGGCATTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360

Qy      1754 GTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCC 1803

Db       361 ATCTCTTTGTGCGCAAAATCTATTCCAATGTGAAAATAGACTAAGAGCCC 410


RESULT 10
US-09-949-016-3623
; Sequence 3623, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3623
;   LENGTH: 2391
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-3623

  Query Match           11.0%;  Score 227.6;  DB 3;  Length 2391;
  Best Local Similarity  51.9%;  Pred. No. 5.5e-43;
  Matches  596;  Conservative    0;  Mismatches  534;  Indels   18;  Gaps    3;

Qy       656 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 715

Db       996 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1055

Qy       716 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 775

Db      1056 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1115

Qy       776 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 835

Db      1116 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG----------G 1163

Qy       836 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 895

Db      1164 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 1223

Qy       896 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 955

Db      1224 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 1283

Qy       956 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 1012

Db      1284 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1343

Qy      1013 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1072

Db      1344 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1403

Qy      1073 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1132

Db      1404 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1463

Qy      1133 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1192

Db      1464 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1523

Qy      1193 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1252

Db      1524 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1583

Qy      1253 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1312

Db      1584 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1640

Qy      1313 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1372

Db      1641 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1700

Qy      1373 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1432

Db      1701 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1760

Qy      1433 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1492

Db      1761 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1820

Qy      1493 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1552

Db      1821 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1880

Qy      1553 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1612

Db      1881 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1940

Qy      1613 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1672

Db      1941 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2000

Qy      1673 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1732

Db      2001 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 2060

Qy      1733 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1792

Db      2061 CAATTGGCTTCTTTGCATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 2120

Qy      1793 ACTAGAGA 1800

Db      2121 ACTGAAGA 2128


RESULT 11
US-08-959-004-6
; Sequence 6, Application US/08959004
; Patent No. 6197543
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
;    APPLICANT:  Yue, Henry
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    APPLICANT:  Kaser, Matthew
;    TITLE OF INVENTION:  HUMAN VESICLE MEMBRANE PROTEIN-LIKE
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;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/959,004
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Billings, Lucy J.
;      REGISTRATION NUMBER:  36,749
;      REFERENCE/DOCKET NUMBER:  PF-0414 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-855-0555
;      TELEFAX:  650-845-4166
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2805 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  ADRETUT06
;      CLONE:  2822412
US-08-959-004-6

  Query Match             11.0%;  Score 227.6;  DB 3;  Length 2805;
  Best Local Similarity   51.9%;  Pred. No. 5.8e-43;
  Matches  596;  Conservative    0;  Mismatches  534;  Indels   18;  Gaps    3;

Qy        656 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 715
              | ||| ||      ||| |   |||     | ||||| ||||||   ||| | || |||
Db       1044 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1103

Qy        716 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 775
              | | || ||  |||||||    || | ||  | |||||| |  |  | |||  |    |
Db       1104 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1163

Qy        776 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 835
              |||||  |||| | || | | |   |||     | ||| |||     |             |
Db       1164 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG------------G 1211

Qy        836 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 895
              | |||| ||| |||||||  || |||||  ||| ||||  | ||  ||||  |     ||
Db       1212 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 1271

Qy        896 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 955
              | | ||    |  | || || ||    |||||  ||   | || |  |  |  | ||
Db       1272 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 1331

Qy        956 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 1012
              || | ||      | | |  ||| |   |||  |   ||  |  ||| |  ||    ||
Db       1332 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1391

Qy       1013 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1072
              |  |  | |  |        |    |        || ||| |||  |  ||  | |||
Db       1392 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1451

Qy       1073 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1132
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                 |||||   ||  ||||  ||   |  | ||  |      ||||  |||   ||  |  |
Db       1452 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1511

Qy       1133 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1192
              | || | ||      |||  | || ||| | ||  |       |     |||||  ||
Db       1512 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1571

Qy       1193 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1252
              | |||||||||||  ||| |||| ||| | |   | | || ||  |   |  | ||||
Db       1572 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1631

Qy       1253 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1312
              | |   || ||||| ||     ||||     ||   |   |          ||   ||   ||
Db       1632 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1688

Qy       1313 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1372
              |  ||||    | || ||||  || || ||  |    |  | ||| | ||||   | |
Db       1689 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1748

Qy       1373 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1432
              | ||  | |||| || ||||| || ||||| |  |||||||  || | |  |||||
Db       1749 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1808

Qy       1433 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1492
              | |    | | ||| || |  |||| |||||  | | |||||||  |  | ||||||  |
Db       1809 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1868

Qy       1493 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1552
              | ||  ||   |||          |  ||||  |       |||||  |   |||  ||
Db       1869 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1928

Qy       1553 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1612
              ||||  |||||  |  |||||||||       || ||  |   ||  |  ||||||  | |||
Db       1929 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1988

Qy       1613 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1672
              | |  || ||| |  |  ||||||  ||||  |||     ||||    ||  |     |
Db       1989 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2048

Qy       1673 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1732
              ||    | |||||||| ||||    | || |          |||    |  |    |||
Db       2049 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 2108

Qy       1733 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1792
              | ||||| | | | |      | |||||    ||||| || | |   |||||  |||
Db       2109 CAATTGGCTTCTTTGCATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 2168

Qy       1793 ACTAGAGA 1800
              |||  |||
Db       2169 ACTGAAGA 2176


RESULT 12
US-10-104-047-1699
; Sequence 1699, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
;  APPLICANT: HELIX RESEARCH INSTITUTE
;  TITLE OF INVENTION: No. 6943241el full length cDNA
;  FILE REFERENCE: H1-A0105
;  CURRENT APPLICATION NUMBER: US/10/104,047
;  CURRENT FILING DATE:  2002-03-25
;  PRIOR APPLICATION NUMBER:
;  PRIOR FILING DATE:
;  NUMBER OF SEQ ID NOS: 4096
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
;    LENGTH: 1878
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-104-047-1699

  Query Match             10.9%;  Score 226;  DB 3;  Length 1878;
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Best Local Similarity 51.8%; Pred. No. 1.2e-42;
Matches 595; Conservative 0; Mismatches 535; Indels 18; Gaps 3;

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Qy        656 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 715
Db        693 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 752

Qy        716 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 775
Db        753 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 812

Qy        776 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 835
Db        813 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG-----------G 860

Qy        836 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 895
Db        861 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 920

Qy        896 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 955
Db        921 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 980

Qy        956 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 1012
Db        981 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1040

Qy       1013 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1072
Db       1041 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1100

Qy       1073 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1132
Db       1101 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1160

Qy       1133 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1192
Db       1161 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1220

Qy       1193 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1252
Db       1221 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1280

Qy       1253 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1312
Db       1281 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1337

Qy       1313 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1372
Db       1338 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1397

Qy       1373 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1432
Db       1398 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1457

Qy       1433 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1492
Db       1458 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1517

Qy       1493 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1552
Db       1518 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1577

Qy       1553 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1612
Db       1578 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1637

Qy       1613 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1672
Db       1638 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCG 1697

Qy       1673 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1732
Db       1698 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 1757

Qy       1733 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1792
Db       1758 CAATTGGCTTCTTTGTATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 1817

Qy       1793 ACTAGAGA 1800
Db       1818 ACTGAAGA 1825
```

RESULT 13
US-09-270-767-14715
; Sequence 14715, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14715
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-14715

Query Match 7.8%; Score 161.2; DB 3; Length 995;
Best Local Similarity 59.3%; Pred. No. 1.1e-27;
Matches 274; Conservative 0; Mismatches 188; Indels 0; Gaps 0;

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Qy         95 TGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCT 154
Db        532 TGTCACTCTCCCAGGCAGATGAGCACAATCACAAGTACAATGACCGGGAGGAGGTGGTAC 591

Qy        155 TATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCAC 214
Db        592 TGTGGATGAACACGGTGGGCCCGTACCACAATCGGCAGGAGACGTACGCGTACTTCTCTC 651

Qy        215 TTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAG 274
Db        652 TCCCCTTTTGCAGTGGCCAAAAGTCCTCGATATCCCACTACCACGAGACGCTGAGCGAGG 711

Qy        275 CACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGA 334
Db        712 CGCTGCAAGGAGTCGAGCTGGAGTTCAGTGGCTACGAGATGGAGTTCAAGAGCGACGCCC 771

Qy        335 TGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATG 394
Db        772 CCAAATCGGTCATCTGCATGGTCACCTTGCAGGAGGAGAGCGCCAAGGCATTCACCTATG 831

Qy        395 CCATAAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCAATATGGGGTATTG 454
Db        832 CCGTGAAGAACGAGTACTGGTACCAAATGTACATCGATGGACTGCCCATTTGGGGAAAAG 891

Qy        455 TTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAA 514
Db        892 TCGGTGAGCGCGACGAGCGCGATGGCAAGTACTATATCTTCACGCACAAGAAGTTCGACA 951

Qy        515 TAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTA 556
Db        952 TCGGCTACAATGGCCAGCAAATCGTGGATATCACCCTGACCA 993
```

RESULT 14
US-09-248-796A-6208
; Sequence 6208, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN

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;  TITLE OF INVENTION:  FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 107196.132
;  CURRENT APPLICATION NUMBER: US/09/248,796A
;  CURRENT FILING DATE:  1999-02-12
;  PRIOR APPLICATION NUMBER: US 60/074,725
;  PRIOR FILING DATE: 1998-02-13
;  PRIOR APPLICATION NUMBER: US 60/096,409
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 6208
;   LENGTH: 726
;   TYPE: DNA
;   ORGANISM: Candida albicans
US-09-248-796A-6208

  Query Match             6.4%;  Score 132.8;  DB 3;  Length 726;
  Best Local Similarity   51.0%;  Pred. No. 3.8e-21;
  Matches  367;  Conservative    0;  Mismatches  347;  Indels    6;  Gaps    2;

Qy       1078 GGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTG 1137
             || ||    |  |||| |  | | |||||| |     || | |  | ||||  ||  ||
Db         13 GGTGGTGACAATTGGAAATTGAATATGTTTTTGACACCAGTTTTAGTACCAGGGATTTTG 72

Qy       1138 TGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATT 1197
             | |     | | |  | | ||||| |     ||||      ||  ||||  | || |||
Db         73 TCTCTGGTTTTCGTTGTGTTGAATTTCTTTTTAATTTCAGTACAATCTTCTGGTGCTATT 132

Qy       1198 CCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAAT 1257
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Db        133 CATATGGGGACAATGTTTGCCATTGTCTTAATTTGGTTCATTATATCGATTCCATTAAGT 192

Qy       1258 CTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTC 1317
              || ||||  ||||  | |   | |||    ||       |      | ||     |
Db        193 GTTATTGGATCAATTTTAGCTAGTAATAGACCATTATTATC---GGTACCAGTGAGAACT 249

Qy       1318 AATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTT 1377
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Db        250 AATCAAATTCCAAGACAAATTCCTACTCAACCATGGTATTTAAGTACTATCCCGGTAATG 309

Qy       1378 TGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACG 1437
             |   |    |||||||| || ||||| |||||   | | |||||||||||| || |   |
Db        310 TTTATTTCGGGAATTTTCCCATTTGGATCAATTGCTGTGGAAATGTATTTTATTTATTCA 369

Qy       1438 TCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATC 1497
             ||  | |||    |||||| | |||| | | ||| ||  |  |  |     |  |  |
Db        370 TCAATTTGGTTTAATAAGATTTTTTATATGTTTGGATTTTTATTTTTCTGTTTCATATTA 429

Qy       1498 CTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAA 1557
              ||    |  | |   |  | |||||| |    |  |||| |    ||  | |||||
Db        430 ATGATTTTAACTAGTAGTTTAATTACTATTTTAATGATTTATTATACTTTATGTTCAGAA 489

Qy       1558 GATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTAC 1617
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Db        490 AATTATAAATGGCAATGGAAATCATTATTTGTTGGAGGAGGTTGTGCAATTTATGTATTT 549

Qy       1618 ATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCA 1677
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Qy       1678 TTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATT 1737
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Db        607 TTATACAGTGGTTATTCAGCTGTGATTTCATTATTAGTTTTCCTTTGTTGTGGATCAATT 666

Qy       1738 GGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAG 1797
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RESULT 15
US-09-949-016-1721/c
; Sequence 1721, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1721
;   LENGTH: 499
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-1721

  Query Match             5.9%;  Score 122;  DB 3;  Length 499;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-18;
  Matches  122;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1934 TTACGAATGAGGCAATTTATTAACCCAGCATGGTTTGTTCTAATGCTTCTTGTTGGCAGC 1993
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Db        499 TTACGAATGAGGCAATTTATTAACCCAGCATGGTTTGTTCTAATGCTTCTTGTTGGCAGC 440

Qy       1994 TGCCACCTGTCCGGCGATTCTGTCCAGATCTCTTTGTCCCTGAGGTGTCAGTTTGCGGCC 2053
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Db        439 TGCCACCTGTCCGGCGATTCTGTCCAGATCTCTTTGTCCCTGAGGTGTCAGTTTGCGGCC 380

Qy       2054 GC 2055
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Db        379 GC 378


Search completed: March 10, 2006, 21:55:57
Job time : 360.113 secs
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 21:56:09 ; Search time 1700.01 Seconds
(without alignments)
10078.870 Million cell updates/sec

Title: US-10-755-466-1
Perfect score: 2072
Sequence: 1 ggatccactagtaacggccg.....cgctcgagcatgcatctaga 2072

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	1	2072	100.0	2072	8	US-10-755-466-1	Sequence 1, Appli
	2	1840.4	88.8	3508	3	US-09-814-353-21837	Sequence 21837, A
	3	1840.4	88.8	4024	5	US-10-198-846-10005	Sequence 10005, A
	4	1830.8	88.4	3370	3	US-09-374-046A-25	Sequence 25, Appl
	5	1830.8	88.4	3370	7	US-10-616-263-25	Sequence 25, Appl
	6	1814	87.5	1827	8	US-10-755-466-3	Sequence 3, Appli
	7	1789.4	86.4	3076	3	US-09-915-582-29	Sequence 29, Appl
	8	1789.4	86.4	3076	6	US-10-277-802-29	Sequence 29, Appl
	9	1789.4	86.4	3076	8	US-10-896-972-29	Sequence 29, Appl
	10	1749.4	84.4	3389	6	US-10-205-219-122	Sequence 122, App
	11	1749.4	84.4	3389	9	US-10-956-157-2297	Sequence 2297, Ap
	12	1749.4	84.4	3389	9	US-10-287-436A-335	Sequence 335, App
	13	1051	50.7	6197	6	US-10-062-674-1697	Sequence 1697, Ap
	14	749.6	36.2	1070	6	US-10-264-237-1414	Sequence 1414, Ap
	15	656	31.7	1867	3	US-09-915-582-13	Sequence 13, Appl
	16	656	31.7	1867	6	US-10-277-802-13	Sequence 13, Appl
	17	656	31.7	1867	8	US-10-896-972-13	Sequence 13, Appl
	18	646	31.2	1863	10	US-11-097-143-22277	Sequence 22277, A
	19	583.6	28.2	2461	8	US-10-425-115-140808	Sequence 140808,
	20	581	28.0	2355	8	US-10-739-930-4365	Sequence 4365, Ap
	21	570.2	27.5	1899	7	US-10-437-963-39405	Sequence 39405, A
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	23	567.8	27.4	2698	8	US-10-425-115-140919	Sequence 140919,
c	24	563.6	27.2	4169	10	US-11-097-143-22276	Sequence 22276, A
	25	562.6	27.2	2152	7	US-10-767-701-12720	Sequence 12720, A
	26	547.4	26.4	2039	7	US-10-425-114-26742	Sequence 26742, A
	27	547.4	26.4	2068	8	US-10-425-115-101961	Sequence 101961,
	28	537.8	26.0	560	7	US-10-242-535A-2630	Sequence 2630, Ap
	29	537.8	26.0	560	7	US-10-085-783A-2630	Sequence 2630, Ap
	30	474.4	22.9	1535	8	US-10-425-115-21677	Sequence 21677, A
c	31	473.2	22.8	545	9	US-10-287-436A-887	Sequence 887, App
c	32	473.2	22.8	545	9	US-10-287-436A-1419	Sequence 1419, Ap
	33	464.8	22.4	2316	7	US-10-437-963-658	Sequence 658, App
c	34	416.4	20.1	419	3	US-09-918-995-3956	Sequence 3956, Ap
	35	409.6	19.8	497	3	US-09-969-034-1724	Sequence 1724, Ap
	36	409.4	19.8	418	9	US-10-779-543-11907	Sequence 11907, A
c	37	406.2	19.6	459	6	US-10-062-674-445	Sequence 445, App
	38	365.6	17.6	455	6	US-10-002-631C-133	Sequence 133, App
	39	365.6	17.6	455	6	US-10-002-631C-134	Sequence 134, App
	40	300.8	14.5	731	7	US-10-333-184-388	Sequence 388, App
	41	300.8	14.5	2032	8	US-10-425-115-21679	Sequence 21679, A
	42	296.4	14.3	2748	7	US-10-424-599-103451	Sequence 103451,
	43	294.8	14.2	1033	7	US-10-425-114-16392	Sequence 16392, A
	44	273.8	13.2	529	5	US-10-198-846-11456	Sequence 11456, A
	45	262.6	12.7	600	7	US-10-021-323-3365	Sequence 3365, Ap

ALIGNMENTS

RESULT 1
US-10-755-466-1
; Sequence 1, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/10/755,466
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: US/09/786,681
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2072
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)..(1794)
US-10-755-466-1

Query Match 100.0%; Score 2072; DB 8; Length 2072;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2072; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db          1 GGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCTGCAGATCTAGATGCATGCTCGA 60

Qy         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120

Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
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Db        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180

Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
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Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
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Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAAATCATTACTGGTACCAG 420
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Qy       1021 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
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Qy       1081 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1140
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Qy       1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560
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Qy       1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620
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RESULT 2
US-09-814-353-21837
; Sequence 21837, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661

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;  PRIOR FILING DATE: 2000-07-25
;  PRIOR APPLICATION NUMBER: US 60/257,672
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 22037
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21837
;   LENGTH: 3508
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 2, 3506, 3507, 3508
;   OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21837

  Query Match             88.8%;  Score 1840.4;  DB 3;  Length 3508;
  Best Local Similarity   99.1%;  Pred. No. 0;
  Matches 1850;  Conservative    0;  Mismatches   16;  Indels    0;  Gaps    0;

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Db         50 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 109

Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
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Db        110 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 169

Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        170 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 229

Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        230 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 289

Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        290 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 349

Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        350 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 409

Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 469

Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        470 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 529

Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        530 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 589

Qy        601 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        590 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 649

Qy        661 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        650 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 709

Qy        721 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        710 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 769

Qy        781 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        770 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 829

Qy        841 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db        830 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 889

Qy        901 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        890 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 949

Qy        961 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        950 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1009

Qy       1021 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1010 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1069

Qy       1081 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1070 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1129

Qy       1141 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1130 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1189

Qy       1201 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTATTCTTCCTCTAAATCTT 1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1190 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTATTCTTCCTCTAAATCTT 1249

Qy       1261 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1250 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1309

Qy       1321 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1310 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1369

Qy       1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1440
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1370 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1429

Qy       1441 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1430 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1489

Qy       1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1490 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1549

Qy       1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1550 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1609

Qy       1621 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1610 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1669

Qy       1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1670 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1729

Qy       1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1730 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1789

Qy       1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1790 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1849

Qy       1861 AAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTT 1920
              ||||||||||||||||||||||||||||||||||||||||    |  |  |||  |  | |
Db       1850 AAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCT 1909

Qy       1921 TTTTTT 1926
                 | |||
Db       1910 CTCTTT 1915
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RESULT 3
US-10-198-846-10005
; Sequence 10005, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
;  APPLICANT: Lillie, James
;  APPLICANT:  Xu, Yongyao
;  APPLICANT:  Wang, Youzhen
;  APPLICANT:  Steinmann, Kathleen
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
;  TITLE OF INVENTION:  FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
;  TITLE OF INVENTION:  THERAPY OF BREAST CANCER
;  FILE REFERENCE: MRI-049
;  CURRENT APPLICATION NUMBER: US/10/198,846
;  CURRENT FILING DATE:  2002-07-18
;  PRIOR APPLICATION NUMBER: 60/306,220
;  PRIOR FILING DATE: 2001-07-18
;  NUMBER OF SEQ ID NOS: 14084
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10005
;   LENGTH: 4024
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 2, 4021, 4022, 4023, 4024
;   OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10005

  Query Match             88.8%;  Score 1840.4;  DB 5;  Length 4024;
  Best Local Similarity   99.1%;  Pred. No. 0;
  Matches 1850;  Conservative    0;  Mismatches   16;  Indels    0;  Gaps    0;

Qy         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         50 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCAC 109

Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        110 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 169

Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        170 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 229

Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        230 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 289

Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        290 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 349

Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        350 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 409

Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 469

Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        470 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 529

Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        530 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 589

Qy        601 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db        590 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 649

Qy        661 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        650 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 709

Qy        721 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        710 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 769

Qy        781 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        770 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 829

Qy        841 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        830 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 889

Qy        901 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        890 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 949

Qy        961 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        950 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1009

Qy       1021 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1010 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1069

Qy       1081 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1070 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1129

Qy       1141 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1130 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1189

Qy       1201 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1190 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1249

Qy       1261 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1250 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1309

Qy       1321 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1310 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1369

Qy       1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1440
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1370 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1429

Qy       1441 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1430 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1489

Qy       1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1490 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1549

Qy       1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1550 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1609

Qy       1621 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1610 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1669

Qy       1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1670 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1729
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Qy       1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1730 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1789

Qy       1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1790 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1849

Qy       1861 AAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTT 1920
             ||||||||||||||||||||||||||||||||||||  |   |  |||  |   | |
Db       1850 AAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCT 1909

Qy       1921 TTTTTT 1926
                | |||
Db       1910 CTCTTT 1915
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RESULT 4
US-09-374-046A-25
; Sequence 25, Application US/09374046A
; Publication No. US20030096951A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6075-83A
; CURRENT APPLICATION NUMBER: US/09/374,046A
; CURRENT FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 3370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-374-046A-25

Query Match 88.4%; Score 1830.8; DB 3; Length 3370;
Best Local Similarity 99.1%; Pred. No. 0;
Matches 1841; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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Qy         69 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 128
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CGCGCTGTGGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 60

Qy        129 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 188
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 120

Qy        189 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 248
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 180

Qy        249 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 308
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 240

Qy        309 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 368
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 300

Qy        369 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 428
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 360

Qy        429 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 488
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 420

Qy        489 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 548
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 480

Qy        549 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 608
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 540

Qy        609 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 668
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 600

Qy        669 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 728
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 660

Qy        729 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 788
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 720

Qy        789 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 848
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 780

Qy        849 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 908
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 840

Qy        909 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 968
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 900

Qy        969 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 1028
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 960

Qy       1029 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1088
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1020

Qy       1089 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1148
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1080

Qy       1149 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1208
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1140

Qy       1209 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1268
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1200

Qy       1269 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1328
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1260

Qy       1329 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1388
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1320

Qy       1389 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1448
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1380

Qy       1449 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1508
```

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                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1440

Qy       1509 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTG 1568
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Db       1441 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCCGTG 1500

Qy       1569 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1628
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1560

Qy       1629 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1688
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1620

Qy       1689 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1748
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1621 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1680

Qy       1749 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1808
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1740

Qy       1809 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1868
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1741 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1800

Qy       1869 ACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
                |||||||||||||||||||||||||||||||    |   |  |||  |   | | |||
Db       1801 ACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTGTCTTT 1858


RESULT 5
US-10-616-263-25
; Sequence 25, Application US/10616263
; Publication No. US20040038276A1
; GENERAL INFORMATION:
;  APPLICANT: Jacobs, Kenneth
;  APPLICANT:  McCoy, John M.
;  APPLICANT:  LaVallie, Edward R.
;  APPLICANT:  Collins-Racie, Lisa A.
;  APPLICANT:  Evans, Cheryl
;  APPLICANT:  Merberg, David
;  APPLICANT:  Treacy, Maurice
;  APPLICANT:  Agostino, Michael J.
;  APPLICANT:  Steininger II, Robert J.
;  APPLICANT:  Spaulding, Vikki
;  APPLICANT:  Wong, Gordon G.
;  APPLICANT:  Clark, Hilary
;  APPLICANT:  Fechtel, Kim
;  APPLICANT:  Genetics Institute, Inc.
;  TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
;  FILE REFERENCE: 00766.000103.5
;  CURRENT APPLICATION NUMBER: US/10/616,263
;  CURRENT FILING DATE:  2003-07-08
;  NUMBER OF SEQ ID NOS: 240
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 3370
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-616-263-25

  Query Match             88.4%;  Score 1830.8;  DB 7;  Length 3370;
  Best Local Similarity   99.1%;  Pred. No. 0;
  Matches 1841;  Conservative    0;  Mismatches   17;  Indels    0;  Gaps    0;

Qy         69 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 128
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 60

Qy        129 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 188
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 120

Qy        189 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 248
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 180

Qy        249 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 308
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 240

Qy        309 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 368
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 300

Qy        369 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 428
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 360

Qy        429 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 488
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 420

Qy        489 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 548
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 480

Qy        549 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 608
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 540

Qy        609 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 668
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 600

Qy        669 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 728
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 660

Qy        729 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 788
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 720

Qy        789 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 848
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 780

Qy        849 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 908
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 840

Qy        909 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 968
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 900

Qy        969 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 1028
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 960

Qy       1029 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1088
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1020

Qy       1089 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1148
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1080

Qy       1149 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1208
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1140

Qy       1209 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1268
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1200
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Qy       1269 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1328
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1260

Qy       1329 TCGTCCTATACCGGAGAAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1388
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1320

Qy       1389 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1448
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1380

Qy       1449 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1508
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1440

Qy       1509 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTG 1568
             ||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||||
Db       1441 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCCGTG 1500

Qy       1569 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1628
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1560

Qy       1629 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1688
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1620

Qy       1689 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1748
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1621 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1680

Qy       1749 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1808
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1740

Qy       1809 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1868
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1741 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1800

Qy       1869 ACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
             |||||||||||||||||||||||||||||||     |   | ||| |   | | | |||
Db       1801 ACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTGTCTTT 1858


RESULT 6
US-10-755-466-3
; Sequence 3, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
;  APPLICANT: HIDAKA , Jun et al.
;  TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
;  TITLE OF INVENTION:  BINDING ACTIVITIES, AND THEIR USES
;  FILE REFERENCE: 0020-4827P
;  CURRENT APPLICATION NUMBER: US/10/755,466
;  CURRENT FILING DATE:  2004-01-13
;  PRIOR APPLICATION NUMBER: US/09/786,681
;  PRIOR FILING DATE: 2001-04-30
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
;   LENGTH: 1827
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (11)..(1747)
US-10-755-466-3

  Query Match             87.5%;  Score 1814;  DB 8;  Length 1827;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1814;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         14 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 73

Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         74 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 133

Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        134 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 193

Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        194 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 253

Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        254 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 313

Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAAATCATTACTGGTACCAG 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        314 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAAATCATTACTGGTACCAG 373

Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        374 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 433

Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        434 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 493

Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        494 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 553

Qy        601 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        554 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 613

Qy        661 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        614 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 673

Qy        721 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        674 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 733

Qy        781 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        734 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 793

Qy        841 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        794 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 853

Qy        901 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        854 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 913

Qy        961 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        914 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 973

Qy       1021 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        974 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1033

Qy       1081 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1034 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1093
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Qy       1141 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1200
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1094 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1153

Qy       1201 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1260
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1154 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1213

Qy       1261 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1320
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1214 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1273

Qy       1321 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1380
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1274 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1333

Qy       1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1440
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1334 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1393

Qy       1441 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1500
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1394 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1453

Qy       1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1454 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1513

Qy       1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1514 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1573

Qy       1621 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1680
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1574 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1633

Qy       1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1634 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1693

Qy       1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1694 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1753

Qy       1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1754 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1813

Qy       1861 AAAAACAAACAAAC 1874
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Db       1814 AAAAACAAACAAAC 1827
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RESULT 7
US-09-915-582-29
; Sequence 29, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 17 Human Secreted Proteins
;  FILE REFERENCE: PS723P1
;  CURRENT APPLICATION NUMBER: US/09/915,582
;  CURRENT FILING DATE:  2001-07-27
;  PRIOR APPLICATION NUMBER: PCT/US01/01431
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/231,968
;  PRIOR FILING DATE: 2000-09-12
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 29
; . LENGTH: 3076
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (3064)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-915-582-29

  Query Match            86.4%;  Score 1789.4;  DB 3;  Length 3076;
  Best Local Similarity  98.0%;  Pred. No. 0;
  Matches 1808;  Conservative    3;  Mismatches   34;  Indels    0;  Gaps    0;

Qy         82 CTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 141
              |||| | | | | | |      ||||||  |||:  | ||::|||||||||||||||||
Db         13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy        142 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 201
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy        202 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 261
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy        262 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 321
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy        322 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 381
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy        382 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 441
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy        442 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 501
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy        502 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 561
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492

Qy        562 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 621
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552

Qy        622 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 681
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        553 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612

Qy        682 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 741
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672

Qy        742 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 801
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732

Qy        802 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 861
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792

Qy        862 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 921
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852

Qy        922 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 981
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912
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Qy       982 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 1041
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972

Qy      1042 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1101
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032

Qy      1102 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1161
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092

Qy      1162 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1221
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152

Qy      1222 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1281
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212

Qy      1282 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1341
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272

Qy      1342 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1401
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332

Qy      1402 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1461
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392

Qy      1462 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1521
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452

Qy      1522 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1581
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512

Qy      1582 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1641
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572

Qy      1642 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1701
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1632

Qy      1702 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1761
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692

Qy      1762 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1821
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752

Qy      1822 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1881
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1812

Qy      1882 GAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
            |||||||||||||||||    |   | ||| |   | | | |||
Db      1813 GAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTCTCTTT 1857
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RESULT 8
US-10-277-802-29
; Sequence 29, Application US/10277802
; Publication No. US20030190707A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/277,802
; CURRENT FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-277-802-29

Query Match 86.4%; Score 1789.4; DB 6; Length 3076;
Best Local Similarity 98.0%; Pred. No. 0;
Matches 1808; Conservative 3; Mismatches 34; Indels 0; Gaps 0;

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Qy        82 CTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 141
             |||| | | | | | |       ||||||  |||:  | ||::| ||||||||||||||||
Db        13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy       142 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 201
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy       202 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 261
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy       262 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 321
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy       322 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 381
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy       382 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 441
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy       442 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 501
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy       502 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 561
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492

Qy       562 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 621
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552

Qy       622 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 681
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       553 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612

Qy       682 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 741
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672
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Qy       742 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 801
Db       673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732

Qy       802 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 861
Db       733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792

Qy       862 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 921
Db       793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852

Qy       922 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 981
Db       853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912

Qy       982 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 1041
Db       913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972

Qy      1042 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1101
Db       973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032

Qy      1102 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1161
Db      1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092

Qy      1162 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1221
Db      1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152

Qy      1222 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1281
Db      1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212

Qy      1282 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1341
Db      1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272

Qy      1342 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1401
Db      1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332

Qy      1402 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1461
Db      1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392

Qy      1462 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1521
Db      1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452

Qy      1522 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1581
Db      1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512

Qy      1582 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1641
Db      1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572

Qy      1642 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1701
Db      1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1632

Qy      1702 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1761
Db      1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692

Qy      1762 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1821
Db      1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752

Qy      1822 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1881
Db      1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1812

Qy      1882 GAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
Db      1813 GAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTCTCTTT 1857
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RESULT 9
US-10-896-972-29
; Sequence 29, Application US/10896972
; Publication No. US20050032168A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/896,972
; CURRENT FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US/09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-896-972-29

Query Match 86.4%; Score 1789.4; DB 8; Length 3076;
Best Local Similarity 98.0%; Pred. No. 0;
Matches 1808; Conservative 3; Mismatches 34; Indels 0; Gaps 0;

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Qy        82 CTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 141
Db        13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy       142 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 201
Db        73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy       202 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 261
Db       133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy       262 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 321
Db       193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy       322 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 381
Db       253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy       382 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 441
Db       313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy       442 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 501
Db       373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy       502 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 561
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Db        433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492
Qy        562 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 621
Db        493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552
Qy        622 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 681
Db        553 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612
Qy        682 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 741
Db        613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672
Qy        742 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 801
Db        673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732
Qy        802 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 861
Db        733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792
Qy        862 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 921
Db        793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852
Qy        922 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 981
Db        853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912
Qy        982 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 1041
Db        913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972
Qy       1042 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1101
Db        973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032
Qy       1102 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1161
Db       1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092
Qy       1162 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1221
Db       1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152
Qy       1222 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1281
Db       1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212
Qy       1282 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1341
Db       1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272
Qy       1342 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1401
Db       1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332
Qy       1402 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1461
Db       1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392
Qy       1462 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1521
Db       1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452
Qy       1522 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1581
Db       1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512
Qy       1582 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1641
Db       1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572
Qy       1642 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1701
Db       1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1632
Qy       1702 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1761
Db       1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692
Qy       1762 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1821
Db       1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752
Qy       1822 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1881
Db       1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAA 1812
Qy       1882 GAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
Db       1813 GAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTCTCTTT 1857
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RESULT 10
US-10-205-219-122
; Sequence 122, Application US/10205219
; Publication No. US20030138803A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pinnock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018200
; CURRENT APPLICATION NUMBER: US/10/205,219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 122
; LENGTH: 3389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EP70-P-iso
US-10-205-219-122

Query Match 84.4%; Score 1749.4; DB 6; Length 3389;
Best Local Similarity 98.2%; Pred. No. 0;
Matches 1833; Conservative 0; Mismatches 26; Indels 8; Gaps 6;

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Qy         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120
Db         50 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 109
Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
Db        110 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 169
Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
Db        170 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 229
Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
Db        230 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 289
Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
Db        290 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 349
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Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        350 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 409

Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 469

Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        470 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 529

Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCCAGAT 599
              ||||||||||||||||||||||||||||||||||| |||||||||||| |||||||||||
Db        530 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCCAGAT 589

Qy        600 GTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATA 659
              |||||||||||||||||| |||||||||||||||||||||||||||||| |||| ||||
Db        590 GTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC-AATA 647

Qy        660 TCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 719
              ||||||||    | |||||  ||||||||||||||||||||||||||||||||||||||
Db        648 TCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 705

Qy        720 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 779
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        706 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 765

Qy        780 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 839
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        766 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 825

Qy        840 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 899
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        826 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 885

Qy        900 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 959
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        886 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 945

Qy        960 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1019
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        946 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1005

Qy       1020 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1079
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1006 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1065

Qy       1080 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTG 1139
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  |
Db       1066 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG--GGT 1123

Qy       1140 TGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1199
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1124 GTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1183

Qy       1200 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1259
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1184 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1243

Qy       1260 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1319
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1244 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1303

Qy       1320 TGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTG 1379
              ||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db       1304 TGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAG-CTGCGGTTATTGTTTG 1362

Qy       1380 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1439
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1363 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1422

Qy       1440 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1499
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1423 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1482

Qy       1500 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1559
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1483 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1542

Qy       1560 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1619
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1543 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1602

Qy       1620 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1679
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1603 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1662

Qy       1680 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1739
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1663 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1722

Qy       1740 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1799
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1723 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1782

Qy       1800 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1859
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1783 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1842

Qy       1860 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTT 1919
              ||||||||||||||||||||||||||||||||||||||||||||||    |   | ||| | |
Db       1843 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTC 1902

Qy       1920 TTTTTTT 1926
              | | |||
Db       1903 TCTCTTT 1909
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RESULT 11
US-10-956-157-2297
; Sequence 2297, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2297
; LENGTH: 3389
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-2297

Query Match 84.4%; Score 1749.4; DB 9; Length 3389;
Best Local Similarity 98.2%; Pred. No. 0;
Matches 1833; Conservative 0; Mismatches 26; Indels 8; Gaps 6;

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Qy         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         50 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 109

Qy        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        110 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 169

Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        170 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 229

Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
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Db        230 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 289
Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
Db        290 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 349
Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420
Db        350 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 409
Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
Db        410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 469
Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
Db        470 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 529
Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCCAGAT 599
Db        530 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCCAGAT 589
Qy        600 GTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATA 659
Db        590 GTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC-AATA 647
Qy        660 TCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 719
Db        648 TCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 705
Qy        720 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 779
Db        706 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 765
Qy        780 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 839
Db        766 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 825
Qy        840 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 899
Db        826 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 885
Qy        900 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 959
Db        886 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 945
Qy        960 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1019
Db        946 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1005
Qy       1020 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1079
Db       1006 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1065
Qy       1080 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTG 1139
Db       1066 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG--GGT 1123
Qy       1140 TGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1199
Db       1124 GTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1183
Qy       1200 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1259
Db       1184 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1243
Qy       1260 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1319
Db       1244 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1303
Qy       1320 TGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTG 1379
Db       1304 TGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAG-CTGCGGTTATTGTTTG 1362
Qy       1380 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1439
Db       1363 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1422
Qy       1440 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1499
Db       1423 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1482
Qy       1500 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1559
Db       1483 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1542
Qy       1560 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1619
Db       1543 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1602
Qy       1620 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1679
Db       1603 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1662
Qy       1680 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1739
Db       1663 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1722
Qy       1740 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1799
Db       1723 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1782
Qy       1800 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1859
Db       1783 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1842
Qy       1860 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTT 1919
Db       1843 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTC 1902
Qy       1920 TTTTTTT 1926
Db       1903 TCTCTTT 1909
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RESULT 12
US-10-287-436A-335
; Sequence 335, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS
; FILE REFERENCE: 10872.514696
; CURRENT APPLICATION NUMBER: US/10/287,436A
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/336,220
; PRIOR FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 1446
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 335
; LENGTH: 3389
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-287-436A-335

Query Match 84.4%; Score 1749.4; DB 9; Length 3389;
Best Local Similarity 98.2%; Pred. No. 0;
Matches 1833; Conservative 0; Mismatches 26; Indels 8; Gaps 6;

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Qy          61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120
Db          50 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 109
Qy         121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
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Db        110 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 169
Qy        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
Db        170 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 229
Qy        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
Db        230 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 289
Qy        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360
Db        290 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 349
Qy        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420
Db        350 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 409
Qy        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480
Db        410 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 469
Qy        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540
Db        470 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 529
Qy        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCCAGAT 599
Db        530 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCCAGAT 589
Qy        600 GTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATA 659
Db        590 GTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC-AATA 647
Qy        660 TCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 719
Db        648 TCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCAT 705
Qy        720 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 779
Db        706 GATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGA 765
Qy        780 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 839
Db        766 TTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGA 825
Qy        840 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 899
Db        826 ATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATT 885
Qy        900 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 959
Db        886 TTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGT 945
Qy        960 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1019
Db        946 TGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGT 1005
Qy       1020 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1079
Db       1006 CTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGG 1065
Qy       1080 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTG 1139
Db       1066 AGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG--GGT 1123
Qy       1140 TGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1199
Db       1124 GTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCC 1183
Qy       1200 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1259
Db       1184 TTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCT 1243
Qy       1260 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1319
Db       1244 TGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAA 1303
Qy       1320 TGCTGTGCCTCGTCCTATACCGGAGAAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTG 1379
Db       1304 TGCTGTGCCTCGTCCTATACCGGAGAAAAAAATGGTTCATGGAG-CTGCGGTTATTGTTTG 1362
Qy       1380 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1439
Db       1363 CCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTC 1422
Qy       1440 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1499
Db       1423 TTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCT 1482
Qy       1500 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1559
Db       1483 GTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGA 1542
Qy       1560 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1619
Db       1543 TTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACAT 1602
Qy       1620 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1679
Db       1603 GTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATT 1662
Qy       1680 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1739
Db       1663 TTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGG 1722
Qy       1740 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1799
Db       1723 TTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAG 1782
Qy       1800 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1859
Db       1783 ACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAG 1842
Qy       1860 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTT 1919
Db       1843 CAAAAACAAACAAACGCAAGAAGAGATTTGGGCTTTAACACACTGGGTACTTTGTGGGTC 1902
Qy       1920 TTTTTTT 1926
Db       1903 TCTCTTT 1909
```

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RESULT 13
US-10-062-674-1697
; Sequence 1697, Application US/10062674
; Publication No. US20040005559A1
; GENERAL INFORMATION:
;  APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
;  TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
;  FILE REFERENCE: PA-0026-1 CIP
;  CURRENT APPLICATION NUMBER: US/10/062,674
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: US 09/625,102
;  PRIOR FILING DATE: 2000-07-24
;  NUMBER OF SEQ ID NOS: 2217
;  SOFTWARE: PERL Program
; SEQ ID NO 1697
;   LENGTH: 6197
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. US20040005559A1 233927.4
;   FEATURE:
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;   NAME/KEY: unsure
;   LOCATION: (1) ... (6197)
;   OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-1697

  Query Match             50.7%;  Score 1051;  DB 6;  Length 6197;
  Best Local Similarity   84.3%;  Pred. No. 1.6e-230;
  Matches 1654;  Conservative    0;  Mismatches  211;  Indels   97;  Gaps   38;

Qy         62 CGGCCGCCGCGCTGTGGCTGCTG-CTGCTGCTGCTGCCCCGGAC-CCGGGCGGACGAGCA 119
Db          1 CGGCCGCCGCGCTGTGGCTGCTGTTTGCTGCTGCTGCCCCGGACTCCGGGCGGACGAGCA 60

Qy        120 CGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACT--GTTGGGCCC 177
Db         61 CGAACACACGTGTCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTTGTTGGGCCCT 120

Qy        178 TACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTC---A 234
Db        121 AACAAAATTCGTCAGAAAACTTTTAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAA 180

Qy        235 AAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTG 294
Db        181 AAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTG 240

Qy        295 GAATTTAGTGGTCTGGATATTAAATTTAAAGATG-ATGTGATGCCAGCCACTT-ACTGTG 352
Db        241 GAATTTAGTGGTCTGGATATTAAATTTAAAGCTGCATGTGATGCCAGCCACTTCACTGTG 300

Qy        353 AAATTG-ATTTAGATAAAG-AAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTA 410
Db        301 AACTCGCATTCAGATAAAGCAAAAGAGAGATGCATTTGTATATGCCATAACAAATCATTA 360

Qy        411 CTGGTACCAG-ATGTACATAG--ATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 467
Db        361 CTGGTACCAGCATGTACATAGCATGATTTACCCNATATGGGGTATTGTTGGTGAGGCTGA 420

Qy        468 TGAAAATG-GAGAAGATTACTATC--TTTGGACCTATAAAAAACTTGAAAT--AGGTTTT 522
Db        421 TGAAAATGCGAGAAGATTACTATCTGTTGGACCGTATAAAAAACTTGAAATTAGGTTTTA 480

Qy        523 AATGGAAATCGAATTGT--------TGATGTTAATCTAACTAGTGAAGGAAAGGTGAAAC 574
Db        481 ACTGGAAATCGGAAGTTGTTGTATGTTATATCTAACTACGTGAAGAGAAAGAGTGAAACA 540

Qy        575 TGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGA---TG 631
Db        541 TGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAAGTGGAAACAAGTCAGATTG 600

Qy        632 TGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCC-TTTTTTCAACATCGGATT 690
Db        601 TGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCGCTTTTTCAACATCGGATT 660

Qy        691 CATTGGTTTTCAA-----TTTTCAACTCCTTCATGAT-GGTGATCTTCTTGGT-GGGCTT 743
Db        661 CATTGGTTTCTCACATGTTGTCAACTCCGTTCATGATGGGTGATCTTCTTGGTGGGGCTT 720

Qy        744 AGTTTCAATGATTTTAATGAGAACA---TTAAGAAAAGATTATGCTCGGTACAGTAAAGA 800
Db        721 AGTTTCAATAGATTTAATAGAGAACATTAAGAAAAAGATTATGCTCGGTACAGTAAAGA 780

Qy        801 GGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATG---GATGGAAACAGGT 857
Db        781 GGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGTGATGGGAAAACAGGT 840

Qy        858 GCAT--GGAGATGTATTTAGACCAT-CAAGTCACCCACTGATATTTCCTCTCTGATTGG 914
Db        841 GCATTGGAAGATGTATTTAGACCATCCAAGTCACCCACTGATATTTCCTCTCTGATTGG 900

Qy        915 TTCTGGATGTCAGATATTTGCTGTGTCTCTCATC-GTTATTATTGTTGCAATGATAGAAG 973
Db        901 TTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGGTAATAATGGTGGCAATGATAGAAG 960

Qy        974 ATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGC-TGCTACG 1032
Db        961 ATTAATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTAAGCTTGCTACG 1020

Qy       1033 TCT-CCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATG 1091
Db       1021 TCTCCCAGTGAATGGTTATTTTGGAGGAAGCGATACTAAAAGGAGGAAAGGGAGAATTGG 1080

Qy       1092 GATAAAGCA--------GATGTTTATTGGGGCATTCCTTAT------CCCAGCTATGGTG 1137
Db       1081 GCTATAAAGCCAGAATGGTTTAATTTGGGGGCATTCCCTTTAATTTCCCAAGCTAATTGG 1140

Qy       1138 TGTGGCACTGCC-----------TTCTTCATCAATTTCATAGCCATTTATTACCATGCTT 1186
Db       1141 GTTGTTGTGGCCAACTTGCCCTTTCTTTCATCAATTTCATAGCCATTTATTACCATGCTT 1200

Qy       1187 CAAGAGCCATTCCTTTTGGAAC-AATGGTGGCCGTTTGTTGCATCTG-TTTTTTTGTTAT 1244
Db       1201 CAAGAGCCATTCCTTTTGGGACAAATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTAT 1260

Qy       1245 TCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTT 1304
Db       1261 TCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTT 1320

Qy       1305 TCCTTGTCGTGTCAATGCTGTGCCTC-GTCCTATACCGGAGA----AAAAATGGTTCATG 1359
Db       1321 TCCTTGTCGTGTCAATGCTGTGCCTCTGTCCTATACCGGAGAACACACAGATGGTACATG 1380

Qy       1360 GAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAA 1419
Db       1381 GAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAA 1440

Qy       1420 ATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATG 1479
Db       1441 ATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATG 1500

Qy       1480 ATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATAT 1539
Db       1501 ATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATAT 1560

Qy       1540 TTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCA 1599
Db       1561 TTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGGATCA 1620

Qy       1600 ACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTT-------CAAAACAAA 1652
Db       1621 ACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATGTTTTTCGAAAACAAGAGATG 1680

Qy       1653 GATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGC--GGTATTTAGCACA 1710
Db       1681 TATGTGCTTATTGTCAAACATCTATTTTACATTTGGATATATGGCGTGTATATTAGCACA 1740

Qy       1711 GCCTTGGGGATAATGTGTG----GAGCGATTGGTTACATGGAACAAGTGCCTTTGTCCG 1766
Db       1741 GTCCTTGGGGATATATGTGTGGAGCGATATGGTTACATGGGGAACAAGTGCCTTTGTCCG 1800

Qy       1767 AAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT-GGAT 1825
Db       1801 AAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGGAT 1860

Qy       1826 CAATTTCTTTTTCATAGGGGT-GGAACTTGCACAGCAAAAACAAACAAACGCAAGAAGAG 1884
Db       1861 CAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAACGCAAGAAGAG 1920

Qy       1885 ATTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1926
Db       1921 ATTTGGGCTTTAACACACTGGGTACTTTGTGGGTCTCTCTTT 1962

RESULT 14
US-10-264-237-1414
; Sequence 1414, Application US/10264237
; Publication No. US20040009491A1
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; GENERAL INFORMATION:
;  APPLICANT: Birse et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA131P1
;  CURRENT APPLICATION NUMBER: US/10/264,237
;  CURRENT FILING DATE:  2002-10-04
;  PRIOR APPLICATION NUMBER: PCT/US01/16450
;  PRIOR FILING DATE: 2001-05-18
;  PRIOR APPLICATION NUMBER: US 60/205,515
;  PRIOR FILING DATE: 2000-05-19
;  NUMBER OF SEQ ID NOS: 2876
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 1414
;   LENGTH: 1070
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (34)..(34)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (40)..(40)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (525)..(525)
;   OTHER INFORMATION: n equals a,t,g, or c
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;   NAME/KEY: misc_feature
;   LOCATION: (529)..(529)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (557)..(557)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (837)..(837)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (912)..(912)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (956)..(956)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (965)..(966)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1025)..(1025)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1047)..(1047)
;   OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-1414

  Query Match             36.2%;  Score 749.6;  DB 6;  Length 1070;
  Best Local Similarity   89.4%;  Pred. No. 1.3e-161;
  Matches  856;  Conservative    0;  Mismatches   48;  Indels   53;  Gaps    3;

Qy       1051 TTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATT 1110
             ||||||||   ||| ||||  |||||||||||||||| ||||||||||||||||||||||
Db         20 TTTGGAGGCTCTCTNTATGANAGACAAGGAGGAAGGACATGGATAAAGCAGATGTTTATT 79

Qy       1111 GGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCC 1170
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         80 GGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCC 139

Qy       1171 ATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATC 1230
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 ATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATC 199

Qy       1231 TGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCA 1290
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 TGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCA 259

Qy       1291 GGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAA 1350
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 GGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAA 319

Qy       1351 TGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATC 1410
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 TGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATC 379

Qy       1411 TTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTAT 1470
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        380 TTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTAT 439

Qy       1471 GGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTG 1530
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RESULT 15
US-09-915-582-13
; Sequence 13, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 17 Human Secreted Proteins
;  FILE REFERENCE: PS723P1
;  CURRENT APPLICATION NUMBER: US/09/915,582
;  CURRENT FILING DATE:  2001-07-27
;  PRIOR APPLICATION NUMBER: PCT/US01/01431
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
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;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/231,968
;  PRIOR FILING DATE: 2000-09-12
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 1867
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-915-582-13

  Query Match            31.7%;  Score 656;  DB 3;  Length 1867;
  Best Local Similarity  97.1%;  Pred. No. 5.7e-140;
  Matches  668;  Conservative    0;  Mismatches   20;  Indels    0;  Gaps    0;

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GenCore version 5.1.7

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Perfect score: 2072
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7673375 seqs, 1153648444 residues

Total number of hits satisfying chosen parameters: 15346750

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Maximum DB seq length: 2000000000

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	482.8	23.3	570	12	US-11-128-061-1325	Sequence 1325, Ap
	2	482.8	23.3	570	12	US-11-128-061-4967	Sequence 4967, Ap
	3	482.8	23.3	570	12	US-11-128-049-1325	Sequence 1325, Ap
	4	482.8	23.3	570	12	US-11-128-049-4967	Sequence 4967, Ap
	5	227.6	11.0	2391	12	US-11-000-688-1309	Sequence 1309, Ap
	6	226	10.9	1878	9	US-11-072-512-1699	Sequence 1699, Ap
	7	190.4	9.2	1094	9	US-11-240-769-50	Sequence 50, Appl
	8	172	8.3	1821	9	US-11-240-769-49	Sequence 49, Appl
	9	169.4	8.2	1816	9	US-11-240-769-21	Sequence 21, Appl
c	10	145	7.0	569	12	US-11-000-688-313	Sequence 313, App
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	12	124.4	6.0	2019	7	US-10-932-182A-478	Sequence 478, App
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c	17	112.2	5.4	495	12	US-11-128-061-3987	Sequence 3987, Ap
c	18	112.2	5.4	495	12	US-11-128-049-345	Sequence 345, App
c	19	112.2	5.4	495	12	US-11-128-049-3987	Sequence 3987, Ap
	20	107.8	5.2	476	12	US-11-000-688-312	Sequence 312, App
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	22	98.8	4.8	636	7	US-10-932-182A-173799	Sequence 173799,
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	25	69.8	3.4	465	7	US-10-932-182A-173463	Sequence 173463,
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	27	60.4	2.9	1083	7	US-10-932-182A-173986	Sequence 173986,
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c	34	52.2	2.5	516	6	US-09-925-065A-480255	Sequence 480255,
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c	36	50.6	2.4	486	6	US-09-925-065A-134718	Sequence 134718,
	37	50	2.4	704	6	US-09-925-065A-924411	Sequence 924411,
	38	49.8	2.4	106	8	US-10-310-914A-3758	Sequence 3758, Ap
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c	44	49	2.4	486	6	US-09-925-065A-134717	Sequence 134717,
c	45	49	2.4	486	6	US-09-925-065A-134719	Sequence 134719,

ALIGNMENTS

RESULT 1
US-11-128-061-1325
; Sequence 1325, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1325
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-061-1325

Query Match 23.3%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 5.8e-64;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
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Qy        970 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
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Db         61 GAGGATTTATATACAGAGAGGGGATCAATGCTCAGTACCGCCATATTTGTCTATGCTGCT 120

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Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
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RESULT 2
US-11-128-061-4967
; Sequence 4967, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-061-4967

Query Match 23.3%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 5.8e-64;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
              |||||||||||||||||||||||||||||||||||||||| ||||||||||||| ||||||
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RESULT 3
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; Sequence 1325, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOI
; TITLE OF INVENTION: MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1325
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-1325

Query Match 23.3%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 5.8e-64;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
              |||||||||||||||||||||||||||||||||||||||| ||||||||||||| ||||||
Db          1 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATTGTTATTATTGTTGCCATGATA 60

Qy        970 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
              || |||||||||| |||||||||||||||||||||||| |||||||||||||||||||||
Db         61 GAGGATTTATATACAGAGAGGGGATCAATGCTCAGTACCGCCATATTTGTCTATGCTGCT 120

Qy       1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1089
              || |||||||||||| |||||||||||||||||||||||| |||||||||||||||||||
Db        121 ACATCTCCAGTGAATGGGTATTTTGGAGGAAGTCTGTATGCCAGACAAGGAGGAAGGAGA 180
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Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
             ||||||||||||||||||||||||||||||||||||||||||| |||||||||| ||||||||||
Db        181 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATTCCAGCTATGGTCTGTGGCACTGCC 240

Qy       1150 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1209
             |||||||||| || ||||||||||||||| ||||| || ||||||||||||||||||||||
Db        241 TTCTTCATCAACTTTATAGCCATTTATTATCATGCCTCTAGAGCCATTCCTTTTGGAACA 300

Qy       1210 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1269
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 360

Qy       1270 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1329
             |||||||||||||||||||||||||||||||| || ||||||||||||||||||||||||
Db        361 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTCCCCTGTCGTGTCAATGCTGTGCCT 420

Qy       1330 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGA 1389
              ||||||| || || |||| |||||| ||||| ||||| |||| ||| |||||    | |
Db        421 GGTCCTATCCCAGACAAAATATGGTTTATGGATCCTGCATTTATCGTTCGCCTGCTAGCA 480

Qy       1390 ATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCA 1449
             |||||||| ||||| || ||||| |||||||    | |||||| | || ||||||||||||
Db        481 ATTTTACCATTTGGCTCCATCTTCATTGAAAATGACTTCATCGTAACATCTTTCTGGGCA 540

Qy       1450 TATAAGATCTA-TTATGTCTATGGCTTCAT 1478
              || |||| | | ||||||||||||||| ||
Db        541 TACAAGACCCACTTATGTCTATGGCTTTAT 570
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RESULT 4
US-11-128-049-4967
; Sequence 4967, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; TITLE OF INVENTION: MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-4967

Query Match 23.3%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 5.8e-64;
Matches 522; .Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy        910 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 969
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Db          1 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATTGTTATTATTGTTGCCATGATA 60

Qy        970 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
              || |||||||||| |||||||||||||||||||||||| ||||||||||||||||||||||
Db         61 GAGGATTTATATACAGAGAGGGGATCAATGCTCAGTACCGCCATATTTGTCTATGCTGCT 120

Qy       1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1089
              || |||||||||||||| |||||||||||||||||||||||| |||||||||||||||||||
Db        121 ACATCTCCAGTGAATGGGTATTTTGGAGGAAGTCTGTATGCCAGACAAGGAGGAAGGAGA 180
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```
Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
             ||||||||||||||||||||||||||||||||||||||||||| |||||||||| ||||||||||
Db        181 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATTCCAGCTATGGTCTGTGGCACTGCC 240

Qy       1150 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1209
             |||||||||| || ||||||||||||||| ||||| || ||||||||||||||||||||||
Db        241 TTCTTCATCAACTTTATAGCCATTTATTATCATGCCTCTAGAGCCATTCCTTTTGGAACA 300

Qy       1210 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1269
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 360

Qy       1270 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1329
             |||||||||||||||||||||||||||||||| || ||||||||||||||||||||||||
Db        361 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTCCCCTGTCGTGTCAATGCTGTGCCT 420

Qy       1330 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGA 1389
              ||||||| || || |||| |||||| ||||| ||||| |||| ||| |||||    | |
Db        421 GGTCCTATCCCAGACAAAATATGGTTTATGGATCCTGCATTTATCGTTCGCCTGCTAGCA 480

Qy       1390 ATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCA 1449
             |||||||| ||||| || ||||| |||||||    | |||||| | || ||||||||||||
Db        481 ATTTTACCATTTGGCTCCATCTTCATTGAAAATGACTTCATCGTAACATCTTTCTGGGCA 540

Qy       1450 TATAAGATCTA-TTATGTCTATGGCTTCAT 1478
              || |||| | | ||||||||||||||| ||
Db        541 TACAAGACCCACTTATGTCTATGGCTTTAT 570
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RESULT 5
US-11-000-688-1309
; Sequence 1309, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1309
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(2391)
; OTHER INFORMATION: transmembrane 9 superfamily member 2(TM9SF2)
; OTHER INFORMATION: gene.
US-11-000-688-1309

Query Match 11.0%; Score 227.6; DB 12; Length 2391;
Best Local Similarity 51.9%; Pred. No. 1.5e-25;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;

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Qy        656 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 715
              | ||| ||      ||| |   |||     |  ||||| ||||||   ||| | || |||
Db        996 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1055

Qy        716 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 775
              | | ||  ||  |||||||    ||  | ||  | |||||| |  |  | ||| |    |
Db       1056 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1115

Qy        776 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 835
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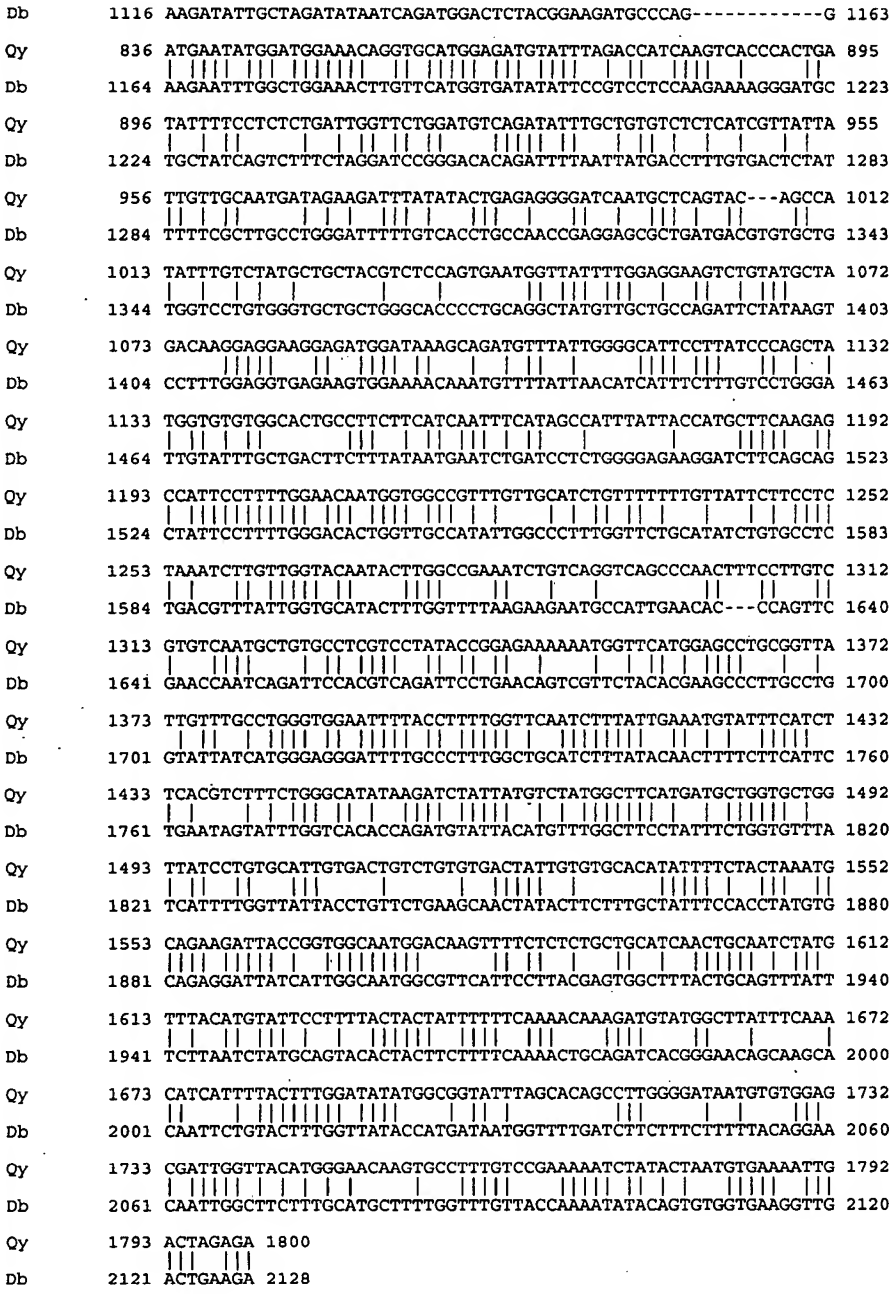
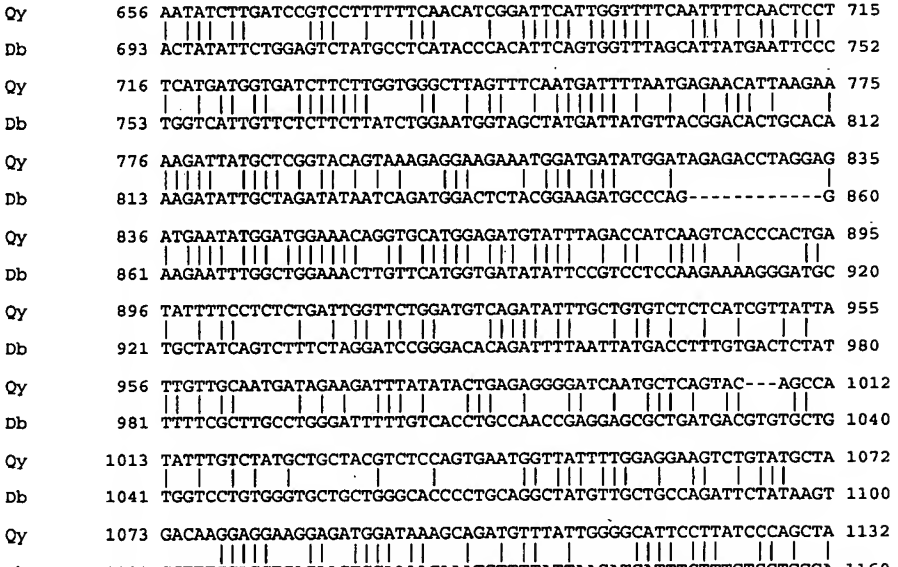


RESULT 6
US-11-072-512-1699

; Sequence 1699, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-072-512-1699

Query Match 10.9%; Score 226; DB 9; Length 1878;
Best Local Similarity 51.8%; Pred. No. 2.5e-25;
Matches 595; Conservative 0; Mismatches 535; Indels 18; Gaps 3;



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Qy       1133 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1192
Db       1161 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1220

Qy       1193 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1252
Db       1221 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1280

Qy       1253 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1312
Db       1281 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1337

Qy       1313 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1372
Db       1338 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1397

Qy       1373 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1432
Db       1398 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1457

Qy       1433 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1492
Db       1458 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1517

Qy       1493 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1552
Db       1518 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1577

Qy       1553 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1612
Db       1578 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1637

Qy       1613 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1672
Db       1638 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCG 1697

Qy       1673 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1732
Db       1698 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 1757

Qy       1733 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1792
Db       1758 CAATTGGCTTCTTTGTATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 1817

Qy       1793 ACTAGAGA 1800
Db       1818 ACTGAAGA 1825
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RESULT 7
US-11-240-769-50
; Sequence 50, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet et al.
;  TITLE OF INVENTION: 33 Human Secreted Proteins
;  FILE REFERENCE: PZ037P1C2
;  CURRENT APPLICATION NUMBER: US/11/240,769
;  CURRENT FILING DATE:  2005-10-03
;  PRIOR APPLICATION NUMBER: 09/997,131
;  PRIOR FILING DATE: 2001-11-30
;  PRIOR APPLICATION NUMBER: 09/628,508
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: PCT/US00/03062
;  PRIOR FILING DATE: 2000-02-08
;  PRIOR APPLICATION NUMBER: 60/119,468
;  PRIOR FILING DATE: 1999-02-10
;  NUMBER OF SEQ ID NOS: 173
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 50
;   LENGTH: 1094
;   TYPE: DNA
;   ORGANISM: Homo sapiens
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US-11-240-769-50

Query Match 9.2%; Score 190.4; DB 9; Length 1094;
Best Local Similarity 52.2%; Pred. No. 5.4e-20;
Matches 494; Conservative 0; Mismatches 446; Indels 6; Gaps 3;

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Qy        853 CAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATT 912
Db          9 CCGGTGCACGGCGACGTCTTCAGGCCCCCCCCAGTACCCCATGATCCTCAGCTCCCTGCTG 68

Qy        913 GGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAA 972
Db         69 GGCTCAGGCATTCAGCTGTTCTGTATGATCCTCATCGTCATCTTTGTAGCCATGCTTGGG 128

Qy        973 GATTTATATACTGAGA---GGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 1029
Db        129 ATGCTGTCGCCCTCCAGCCGGGGAGCTCTCATGACCACAGCCTGCTTCCTCTTCATGTTC 188

Qy       1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1089
Db        189 ATGGGGGTGTTTGGCGGATTTTCTGCTGGCCGTCTGTACCGCACTTTAAAAGGCCATCGG 248

Qy       1090 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1149
Db        249 TGGAAGAAAGGAGCCTTCTGTACGGCAACTCTGTACCCTGGTGTGGTTTTTGGCATCTGC 308

Qy       1150 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1209
Db        309 TTCGTATTGAATTGCTTCATTTGGGGAAAGCACTCATCAGGAGCGGTGCCCTTTCCCACC 368

Qy       1210 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1269
Db        369 ATGGTGGCTCTGCTGTGCATGTG-GTTCGGGATCTCCCTGCCCCTCGTCTACTTGGGCTA 427

Qy       1270 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1329
Db        428 CTACTTCGGCTTCCGAAAGCAG--CCATATGACAACCCTGTGCGCACCAACCAGATTCCC 485

Qy       1330 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGA 1389
Db        486 CGGCAGATCCCCGAGCAGCGGTGGTACATGAACCGATTTGTGGGCATCCTCATGGCTGGG 545

Qy       1390 ATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCA 1449
Db        546 ATCTTGCCCTTCGGCGCCATGTTCATCGAGCTCTTCTTCATCTTCAGTGCTATCTGGGAG 605

Qy       1450 TATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTG 1509
Db        606 AATCAGTTCTATTACCTCTTTGGCTTCCTGTTCCTTGTTTTCATCATCCTGGTGGTATCC 665

Qy       1510 ACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGG 1569
Db        666 TGTTCACAAATCAGCATCGTCATGGTGTACTTCCAGCTGTGTGCAGAGGATTACCGCTGG 725

Qy       1570 CAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTT 1629
Db        726 TGGTGGAGAAATTTCCTAGTCTCCGGGGGCTCTGCATTCTACGTCCTGGTTTATGCCATC 785

Qy       1630 TACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGA 1689
Db        786 TTTTATTTCGTTAACAAGCTGGACATCGTGGAGTTCATCCCCTCTCTCCTCTACTTTGGC 845

Qy       1690 TATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGA 1749
Db        846 TACACGGCCCTCATGGTCTTGTCCTTCTGGCTGCTAACGGGTACCATCGGCTTCTATGCA 905

Qy       1750 ACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1795
Db        906 GCCTACATGTTTGTTCGCAAGATCTATGCTGCTGTGAAGATAGACT 951
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RESULT 8
US-11-240-769-49
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; Sequence 49, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet et al.
;  TITLE OF INVENTION: 33 Human Secreted Proteins
;  FILE REFERENCE: PZ037P1C2
;  CURRENT APPLICATION NUMBER: US/11/240,769
;  CURRENT FILING DATE:  2005-10-03
;  PRIOR APPLICATION NUMBER: 09/997,131
;  PRIOR FILING DATE: 2001-11-30
;  PRIOR APPLICATION NUMBER: 09/628,508
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: PCT/US00/03062
;  PRIOR FILING DATE: 2000-02-08
;  PRIOR APPLICATION NUMBER: 60/119,468
;  PRIOR FILING DATE: 1999-02-10
;  NUMBER OF SEQ ID NOS: 173
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
;   LENGTH: 1821
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-240-769-49

  Query Match             8.3%;  Score 172;  DB 9;  Length 1821;
  Best Local Similarity   52.7%;  Pred. No. 3.3e-17;
  Matches  519;  Conservative    0;  Mismatches  445;  Indels   20;  Gaps    6;

Qy        667 CCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTG 726
              | | || |   | |   | ||| || |||||||| ||  | ||||| |   |  ||||
Db        537 CTGACCATGAGTGACGTCCAGATCCACTGGTTTTCTATCATTAACTCCGTTGTTGTGGTC 596

Qy        727 ATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCT 786
              ||||| ||   ||  |  |   |||||| | ||  | ||  |  | || ||   |||
Db        597 TTCTTCCTGTCAGGTATCCTGAGCATGATTATCATTCGGACCCTCCGGAAGGACATTGCC 656

Qy        787 CGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGA 846
              ||||  || ||||| || || ||              ||||      || || | ||| .
Db        657 AACTACAACAAGGAGGATGACATTGA------------AGACACCATGGAGGAGTCTGGG 704

Qy        847 TGGAAACAGGTGCATGGAGATGTATTTA-GACCATCAAGTCACCCACTGATATTTTCCTC 905
              |||||   |||||| || || || || | | ||  |      ||||  ||||  |   |||
Db        705 TGGAAGTTGGTGCACGGCGACGTCTTCAGGCCCCCCCCAGTACCCCATGATCCTCAGCTC 764

Qy        906 TCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAAT 965
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Db        765 CCTGCTGGGCTCAGGCATTCAGCTGTTCTGTATGATCCTCATCGTCATCTTTGTAGCCAT 824

Qy        966 GATAGAAGATTTATATACTGAGA---GGGGATCAATGCTCAGTACAGCCATATTTGTCTA 1022
              | | |       |  |   |   |||||  |  |  | |  ||||||   ||  |||
Db        825 GCTTGGGATGCTGTCGCCCTCCAGCCGGGGAGCTCTCATGACCACAGCCTGCTTCCTCTT 884

Qy       1023 TGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGG 1082
                | |     |   || | || ||  ||  |||||||    |   |  |||
Db        885 CATGTTCATGGGGGTGTTTGGCGGATTTTCTGCTGGCCGTCTGTACCGCACTTTAAAAGG 944

Qy       1083 AAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGG 1142
               | ||||  ||        ||   |  ||||   ||  ||| | | ||||.| |||
Db        945 CCATCGGTGGAAGAAAGGAGCCTTCTGTACGGCAACTCTGTACCCTGGTGTGGTTTTTGG 1004

Qy       1143 CACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTT 1202
               ||    |||| |  | |||| | |             | ||  | ||| |||| |  | ||
Db       1005 CATCTGCTTCGTATTGAATTGCTTCATTTGGGGAAAGCACTCATCAGGAGCGGTGCCCTT 1064

Qy       1203 TGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGT 1262
              |   || ||||||||  |   |||||  ||  ||  | | | | | |    ||| |
Db       1065 TCCCACCATGGTGGCTCTGCTGTGCATGTG-GTTCGGGATCTCCCTGCCCCTCGTCTACT 1123

Qy       1263 TGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGC 1322
              |||   | |||||  | |          |||  |       ||   |||   ||   |||
Db       1124 TGGGCTACTACTTCGGCTTCCGAAAGCAG--CCATATGACAACCCTGTGCGCACCAACCA 1181

Qy       1323 TGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCT 1382
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              | || ||  |  ||  ||  |||  |    ||||  ||||  | |     ||      |   | |
Db       1182 GATTCCCCGGCAGATCCCCGAGCAGCGGTGGTACATGAACCGATTTGTGGGCATCCTCAT 1241

Qy       1383 GGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTT 1442
              || ||| || || || || || | || || || || | |  ||||||||||   || |
Db       1242 GGCTGGGATCTTGCC-TTCGGCGCCATGTTCATCGAGCTCTTCTTCATCTTCAGTGCTAT 1300

Qy       1443 CTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTG 1502
              |||||   ||  ||  |||||||  |||  |||||||  ||  |  ||  ||   |  ||||||
Db       1301 CTGGGAGAATCAGTTCTATTACCTCTTTGGCTTCCTGTTCCTTGTTTTCATCATCCTGGT 1360

Qy       1503 CATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTA 1562
                |     |       | |  ||  ||       ||  ||  |  ||   ||||| |||||
Db       1361 GGTATCCTGTTCACAAATCAGCATCGTCATGGTGTACTTCCAGCTGTGTGCAGAGGATTA 1420

Qy       1563 CCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTA 1622
              ||| |||.   |||| || ||| ||    | |       ||||| |||| ||     | ||
Db       1421 CCGCTGGTGGTGGAGAAATTTCCTAGTCTCCGGGGGCTCTGCATTCTACGTCCTGGTTTA 1480

Qy       1623 TTCCTTTTACTACTATTTTTTCAA 1646
              | || | |  || |   ||  |||
Db       1481 TGCCATCTTTTATTTCGTTAACAA 1504


RESULT 9
US-11-240-769-21
; Sequence 21, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet et al.
;  TITLE OF INVENTION: 33 Human Secreted Proteins
;  FILE REFERENCE: PZ037P1C2
;  CURRENT APPLICATION NUMBER: US/11/240,769
;  CURRENT FILING DATE:  2005-10-03
;  PRIOR APPLICATION NUMBER: 09/997,131
;  PRIOR FILING DATE: 2001-11-30
;  PRIOR APPLICATION NUMBER: 09/628,508
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: PCT/US00/03062
;  PRIOR FILING DATE: 2000-02-08
;  PRIOR APPLICATION NUMBER: 60/119,468
;  PRIOR FILING DATE: 1999-02-10
;  NUMBER OF SEQ ID NOS: 173
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
;   LENGTH: 1816
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (504)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (1405)
;   OTHER INFORMATION: n equals a,t,g, or c
US-11-240-769-21

  Query Match             8.2%;  Score 169.4;  DB 9;  Length 1816;
  Best Local Similarity   52.0%;  Pred. No. 8e-17;
  Matches  514;  Conservative    7;  Mismatches  448;  Indels   20;  Gaps    6;

Qy        663 TGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGAT 722
              | | | | || |   | |   | ||| || |||||||| ||  | ||||| |   |  |
Db        520 TTACCTGACCATGAGTGACGTCCAGATCCACTGGTTTTCTATCATTAACTCCGTTGTTGT 579

Qy        723 GGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTA 782
              |||  |||| ||   ||  |  |     ||||| | ||  | ||  | || ||
Db        580 GGTCTTCTTCCTGTCAGGTATCCTGAGCATGATTATCATTCGGACCCTCCGGAAGGACAT 639

Qy        783 TGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATA 842
              |||    ||||  || ||||| || || ||                ||||      || || |
Db        640 TGCCAACTACAMCAAGGAGGATGACATTGA------------AGACACCATGGAGGAGTC 687
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Qy       843 TGGATGGAAACAGGTGCATGGAGATGTATTTA-GACCATCAAGTCACCCACTGATATTTT 901
Db       688 TGGGTGGAAGTTGGTGCACGGCGACGTCTTCAGGCCCCCCCCCAGTACCCCATGATCCTCA 747

Qy       902 CCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTG 961
Db       748 GCTCCCTGCTGGGCTCAGGCATTCAGCTGTTCTGTATGATCCTCATCGTCATCTTTGTAG 807

Qy       962 CAATGATAGAAGATTTATATACTGAGA---GGGGATCAATGCTCAGTACAGCCATATTTG 1018
Db       808 CCATGCTTGGGATGCTGTCGCCCTCCAGCCGGGGAGCTCTCATGACCACAGCCTGCTTCC 867

Qy      1019 TCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAG 1078
Db       868 TCTTCATGTTCATGGGGGTGTTTGGCGGATTTTCTGCTGGCCGTCTGTACCGCACTTTAA 927

Qy      1079 GAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGT 1138
Db       928 AAGGCCATCGGTGGAAGAAAGGAGCCTTCTGTACGGCAACTCTGTACCCTGGTGTGGTTT 987

Qy      1139 GTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTC 1198
Db       988 TTGGCATCTGCTTCGTATTGAATTGCTTCATTTGGGGAAAGCACTCATCAGGAGCGGTGC 1047

Qy      1199 CTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATC 1258
Db      1048 CCTTTCCCACCATGGTGGCTCTGCTGTGCATGTG-GTTCGGGATCTCCCTGCCCCTCGTC 1106

Qy      1259 TTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCA 1318
Db      1107 TACTTGGGCTACTACTTCGGCTTCCGAAAGCAG--CCATATGACAACCCTGTGCGCACCA 1164

Qy      1319 ATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTT 1378
Db      1165 ACCAGATTCCCCGGCAGATCCCCGAGCAGCGGTGGTACATGAACCGATTTGTGGGCATCC 1224

Qy      1379 GCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGT 1438
Db      1225 TCATGGCTGGGATCTTGCCCTTCGGCGCCATGTTCATCGAGCTCTTCTTCATCTTCAGTG 1284

Qy      1439 CTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCC 1498
Db      1285 CTATCTGGGAGAATCAGTTCTATTACCTCTTTGGCTTCCTGKTCCTTGGTTTCATCATCC 1344

Qy      1499 TGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAG 1558
Db      1345 TGGTGGKATCCTGKTCACAAATCAGCATCGTCATGGTGKACTTCCARCTGTGTGCAGAGG 1404

Qy      1559 -ATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTAC 1617
Db      1405 NATTACCGYTGGTGGTGGAGAAATTYCCTAGTCTCCGGGGGCTCTGCATTCWACGTCCTG 1464

Qy      1618 ATGTATTCCTTTTACTACTATTTTTTCAA 1646
Db      1465 GTTTATGCCATCTTTWATTTCGTTAACAA 1493
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RESULT 10
US-11-000-688-313/c
; Sequence 313, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 313
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(569)
; OTHER INFORMATION: ribosomal protein s19(RPS19) gene.
US-11-000-688-313

Query Match 7.0%; Score 145; DB 12; Length 569;
Best Local Similarity 100.0%; Pred. No. 3.4e-13;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1911 TTTTTTTTTTTTTTTTTTTTTTTTTACGAATGAGGCAATTTATTAACCCAGCATGGTTTG 1970
Db       569 TTTTTTTTTTTTTTTTTTTTTTTTTACGAATGAGGCAATTTATTAACCCAGCATGGTTTG 510

Qy      1971 TTCTAATGCTTCTTGTTGGCAGCTGCCACCTGTCCGGCGATTCTGTCCAGATCTCTTTGT 2030
Db       509 TTCTAATGCTTCTTGTTGGCAGCTGCCACCTGTCCGGCGATTCTGTCCAGATCTCTTTGT 450

Qy      2031 CCCTGAGGTGTCAGTTTGCGGCCGC 2055
Db       449 CCCTGAGGTGTCAGTTTGCGGCCGC 425
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RESULT 11
US-09-925-065A-724812/c
; Sequence 724812, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 724812
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-724812

Query Match 6.7%; Score 138; DB 6; Length 1251;
Best Local Similarity 86.0%; Pred. No. 4.1e-12;
Matches 153; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

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Qy      1038 AGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAA 1097
Db       750 ACTAAATAATTATATTAAACTTTCATAGTTTCCTTTCTTTTCAGGAAGGAGATGGATAAA 691

Qy      1098 GCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCAT 1157
Db       690 GCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCAT 631

Qy      1158 CAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTG 1215
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Db        630 CAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTG 573

RESULT 12
US-10-932-182A-478
; Sequence 478, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAO, YOSHIHIRO
;  APPLICANT:  NAKAMURA, NORIHISA
;  APPLICANT:  KODAMA, YUKIKO
;  APPLICANT:  FUJIMURA, TOMOKO
;  APPLICANT:  ASHIKARI, TOSHIHIKO
;  TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
;  FILE REFERENCE: 030685-043
;  CURRENT APPLICATION NUMBER: US/10/932,182A
;  CURRENT FILING DATE:  2004-09-02
;  NUMBER OF SEQ ID NOS: 197023
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
;   LENGTH: 2019
;   TYPE: DNA
;   ORGANISM: Saccharomyces pastorianus
US-10-932-182A-478

  Query Match             6.0%;  Score 124.4;  DB 7;  Length 2019;
  Best Local Similarity   46.4%;  Pred. No. 4.7e-10;
  Matches  567;  Conservative    0;  Mismatches  631;  Indels   24;  Gaps    4;

Qy        577 GTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAA 636
Db        817 GATAAAGATAATGACGTGTATTTACCTACTCCGTCAAATTCATTGCTTCTGATACAGTT 876

Qy        637 TTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGG 696
Db        877 TGGGCTACAAGATGGGACAAGTATCTACAT------ATTTATGATCCGCAAATTCAATGG 930

Qy        697 TTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATT 756
Db        931 TTTTCTTTAATTAATTTCTCCATCATCATCATTTTACTATCATCTGTGGTTATTCATTCT 990

Qy        757 TTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGAT 816
Db        991 ATACTTCGGGCTGTGAAGAGTGATTTTGCCCGTTATAACGAA------------CTTCAC 1038

Qy        817 ATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGA 876
Db       1039 CTAGATAATGAATTTCATGAGGATACTGGTTGGAAATTAGGTCATGGTGATGTATTTAGA 1098

Qy        877 CCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCT 936
Db       1099 ACATCATCTAAATCAATGGTGTTATCTGTGCTCGTGGGTTCAGGTATTCAATTATTTCTG 1158

Qy        937 GTGTCTCT---CATCGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGA 993
Db       1159 ATGATCATATGTAGCATTTTCTTTGCTGCATTAGGCCTCGTATCACCAGCTTCAAGAGGC 1218

Qy        994 TCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTT 1053
Db       1219 TCTTTGCCAACCGTGATGTTTGTTCTTTACGCATTATTCGGCTTTGTAGGTTCTTATACT 1278

Qy       1054 GGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGG 1113
Db       1279 TCCATGGGTGTCTATAAGTTTTTCCATGGACCTTATTGGAAGGCTAATTTGATAATTACA 1338

Qy       1114 GCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATT 1173
Db       1339 CCAATCCTGCTTCCTGGCGCAATTTTTCTATTAATAGTAGCAATGAACTTCTTCTTATTA 1398

Qy       1174 TATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGT 1233
Db       1399 TCTGCGCAGTCCTCGGGTGTGATCCCAGCAAGAACGCTGTTTTTCATAATCTTCCTATGG 1458

Qy       1234 TTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGT 1293
Db       1459 TTTTCGGTGTCTATTCCATTGTCGTTTGCTGGTTCATATATTGCCTACAAAAAGTGTAAC 1518

Qy       1294 CAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGG 1353
Db       1519 TGGGATGAACATCCAACAAAAACAAACCAGATTGCTCGACAAAGTCCATTTCAGCCTTGG 1578

Qy       1354 TTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTT 1413
Db       1579 TACTTAAGGACAACACAGGCAACCCTTATTGCAGGCATTTTCTCTTTTGGTTCAATAGCC 1638

Qy       1414 ATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGC 1473
Db       1639 GTTGAATTATATTTCATTTACTCCAGTTTATGGTTCAACAAGATTTTTTGTATGTTTGGT 1698

Qy       1474 TTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGC 1533
Db       1699 TTTCTACTCTTTTCATTTTTGTTGCTGACTTTAACAACCTCATTGGTAACTATTTTCATT 1758

Qy       1534 ACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCT 1593
Db       1759 ACGTATCATTCATTATGTTTGGAAAATTGGTTGTGGCAGTGGAGGAGTTTTATTATTGGT 1818

Qy       1594 GCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAG 1653
Db       1819 GGTT---TGGGATGTTCAGTTTATATGTTCATCCATGCAATATTATTTACAAAATTCAAA 1875

Qy       1654 ATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCC 1713
Db       1876 CTCGGTGGATTCGTCACAATCATACTGTATGTTGGATATTCATTTATGATATCTGTGCTA 1935

Qy       1714 TTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATC 1773
Db       1936 TGTTGCGTTGTCACAGGGGCGATCGGCTTTTTCAGTAGCATGATATTCATTAGAAAGATT 1995

Qy       1774 TATACTAATGTGAAAATTGACT 1795
Db       1996 TATTCTAGAGTTAAAGTCGAGT 2017

RESULT 13
US-10-932-182A-478
; Sequence 478, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAO, YOSHIHIRO
;  APPLICANT:  NAKAMURA, NORIHISA
;  APPLICANT:  KODAMA, YUKIKO
;  APPLICANT:  FUJIMURA, TOMOKO
;  APPLICANT:  ASHIKARI, TOSHIHIKO
;  TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
;  FILE REFERENCE: 030685-043
;  CURRENT APPLICATION NUMBER: US/10/932,182A
;  CURRENT FILING DATE:  2004-09-02
;  NUMBER OF SEQ ID NOS: 197023
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
;   LENGTH: 2019
;   TYPE: DNA
;   ORGANISM: Saccharomyces pastorianus
US-10-932-182A-478

  Query Match             6.0%;  Score 124.4;  DB 7;  Length 2019;
  Best Local Similarity   46.4%;  Pred. No. 4.7e-10;
  Matches  567;  Conservative    0;  Mismatches  631;  Indels   24;  Gaps    4;

Qy        577 GTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAA 636
Db        817 GATAAAGATAATGACGTGTATTTACCTACTCCGTCAAATTCATTGCTTCTGATACAGTT 876

Qy        637 TTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGG 696
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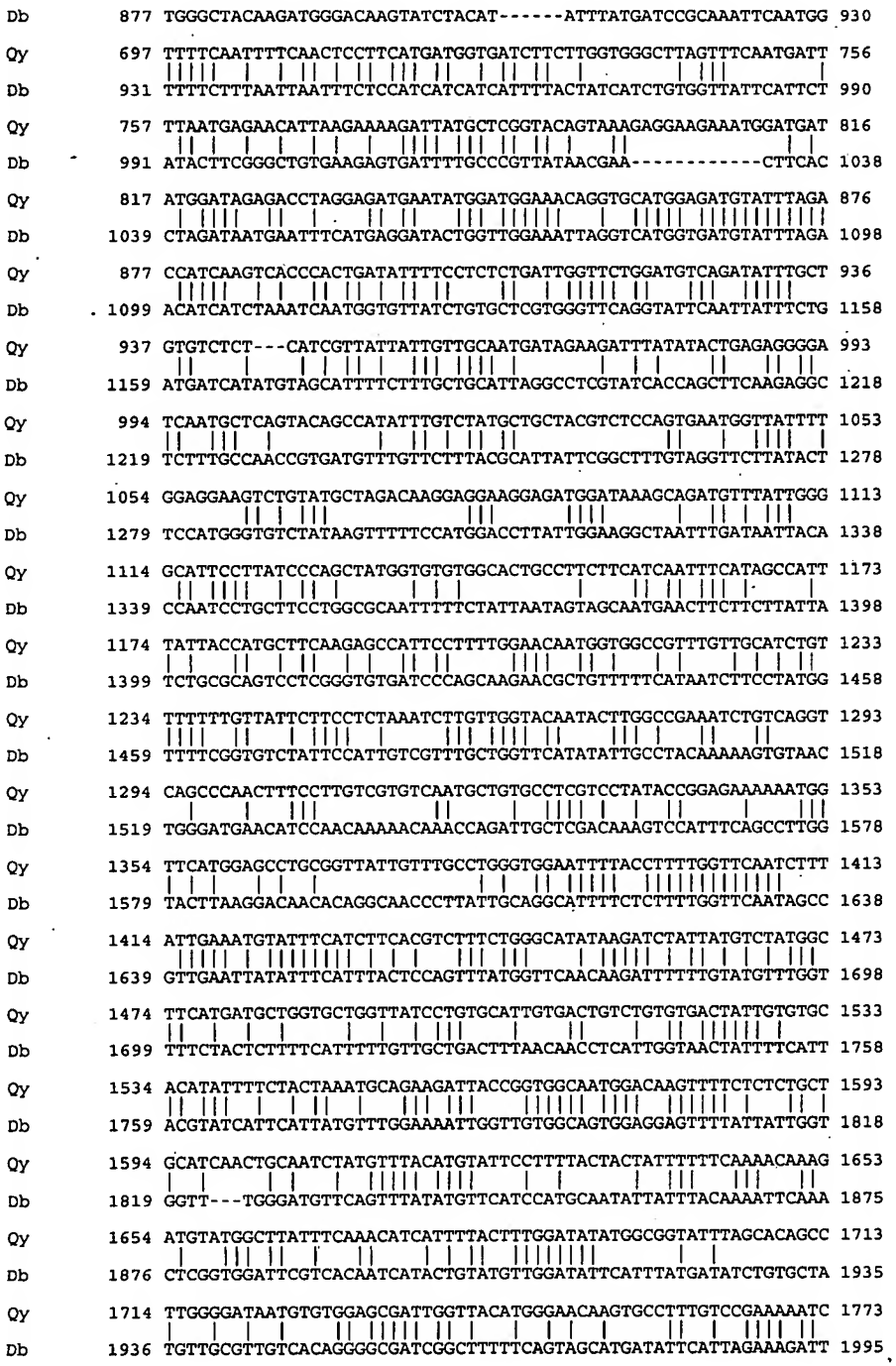
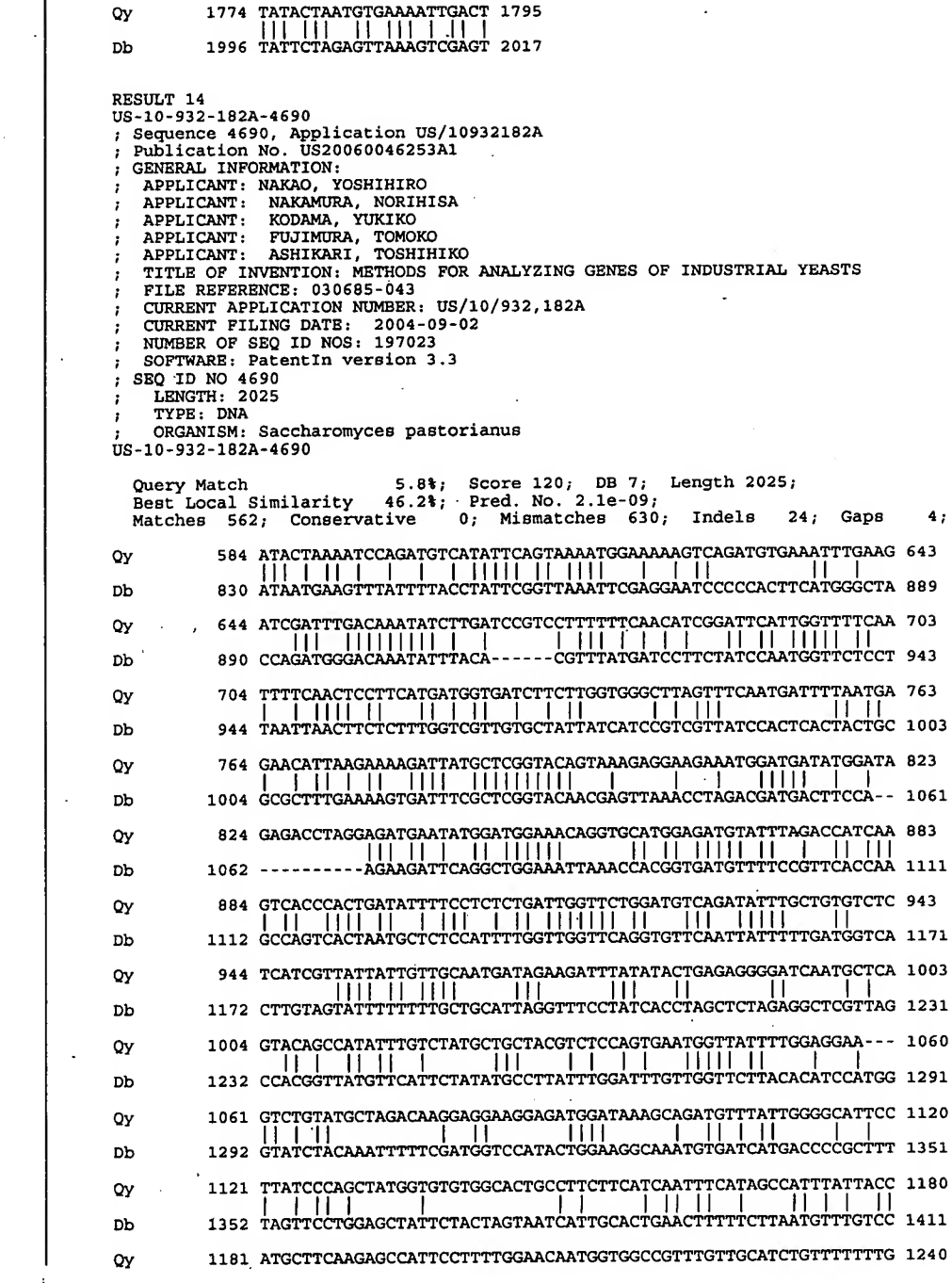
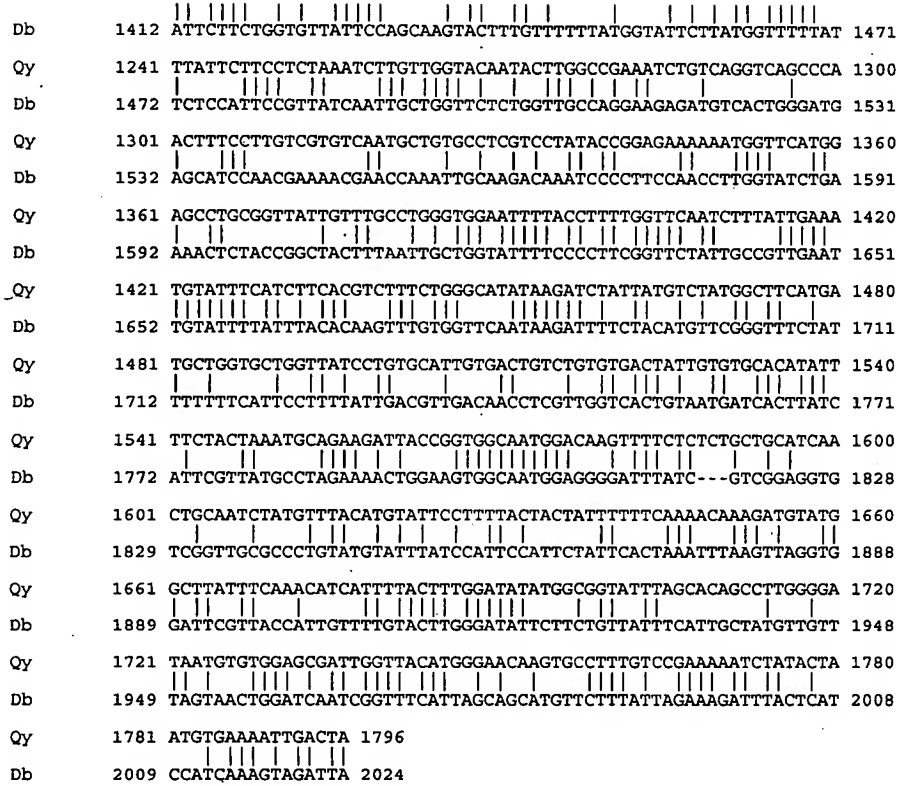




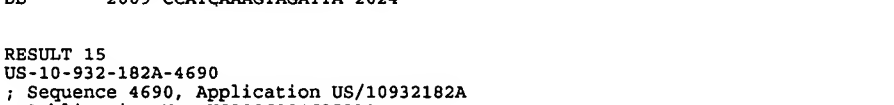
RESULT 14
US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4690
; LENGTH: 2025
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

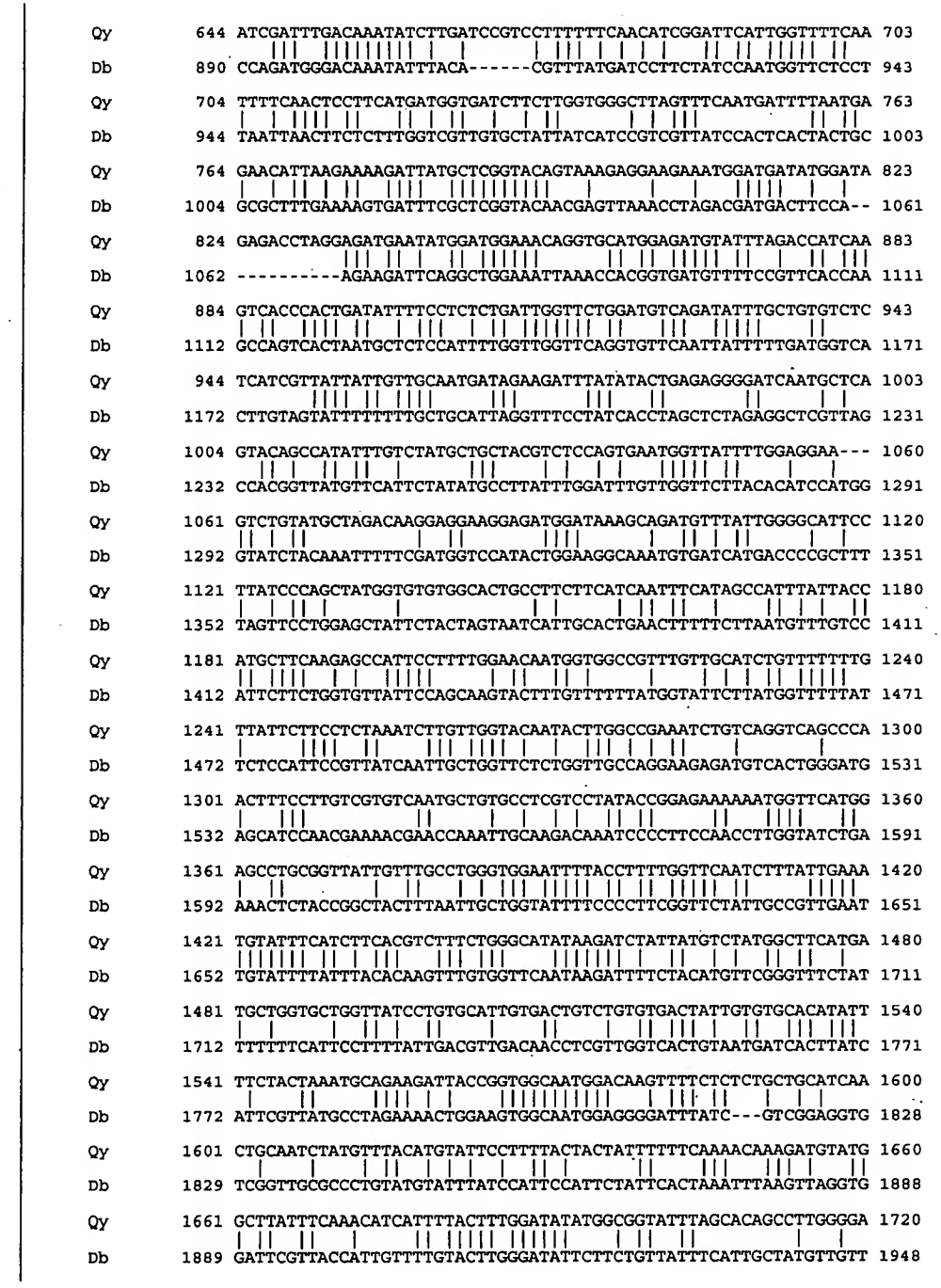
Query Match 5.8%; Score 120; DB 7; Length 2025;
Best Local Similarity 46.2%; Pred. No. 2.1e-09;
Matches 562; Conservative 0; Mismatches 630; Indels 24; Gaps 4;



RESULT 15
US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4690
; LENGTH: 2025
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

Query Match 5.8%; Score 120; DB 7; Length 2025;
Best Local Similarity 46.2%; Pred. No. 2.1e-09;
Matches 562; Conservative 0; Mismatches 630; Indels 24; Gaps 4;





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Qy       1721 TAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTA 1780
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Db       1949 TAGTAACTGGATCAATCGGTTTCATTAGCAGCATGTTCTTTATTAGAAAGATTTACTCAT 2008

Qy       1781 ATGTGAAAATTGACTA 1796
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Db       2009 CCATCAAAGTAGATTA 2024
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Search completed: March 10, 2006, 22:46:09
Job time : 669.273 secs

GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 21:37:26 ; Search time 314.887 Seconds
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Title: US-10-755-466-3
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	1814	99.3	2072	3	US-09-786-681A-1	Sequence 1, Appli
	3	444	24.3	444	3	US-09-621-976-18829	Sequence 18829, A
	4	383.4	21.0	440	3	US-09-513-999C-3708	Sequence 3708, Ap
c	5	369.8	20.2	771	3	US-09-270-767-679	Sequence 679, App
c	6	369.8	20.2	771	3	US-09-270-767-15961	Sequence 15961, A
	7	364.8	20.0	433	3	US-09-513-999C-3502	Sequence 3502, Ap
	8	230.8	12.6	571	3	US-09-270-767-28434	Sequence 28434, A
	9	230.8	12.6	1151	3	US-09-270-767-12633	Sequence 12633, A
	10	227.6	12.5	2391	3	US-09-949-016-3623	Sequence 3623, Ap
	11	227.6	12.5	2805	3	US-08-959-004-6	Sequence 6, Appli
	12	226	12.4	1878	3	US-10-104-047-1699	Sequence 1699, Ap
	13	161.2	8.8	995	3	US-09-270-767-14715	Sequence 14715, A
	14	132.8	7.3	726	3	US-09-248-796A-6208	Sequence 6208, Ap
	15	101	5.5	262	3	US-09-313-294A-2292	Sequence 2292, Ap
c	16	91.6	5.0	769	3	US-09-385-982-530	Sequence 530, App
c	17	64.6	3.5	302	3	US-09-702-705-1002	Sequence 1002, Ap
c	18	64.6	3.5	302	3	US-09-736-457-1002	Sequence 1002, Ap
c	19	64.6	3.5	302	3	US-09-614-124B-1002	Sequence 1002, Ap
c	20	64.6	3.5	302	3	US-09-671-325-1002	Sequence 1002, Ap
c	21	64.6	3.5	302	3	US-09-658-824-1002	Sequence 1002, Ap
c	22	64.6	3.5	302	3	US-10-017-754-1002	Sequence 1002, Ap
c	23	64.6	3.5	302	3	US-09-651-563-1002	Sequence 1002, Ap
	24	56.4	3.1	279	3	US-09-313-294A-4533	Sequence 4533, Ap
	25	51.8	2.8	7218	2	US-08-232-463-14	Sequence 14, Appl
	26	51	2.8	1141	3	US-09-806-708B-22	Sequence 22, Appl
c	27	50.4	2.8	7218	2	US-08-232-463-14	Sequence 14, Appl
	28	49.2	2.7	601	3	US-09-949-016-127246	Sequence 127246,
	29	49.2	2.7	65561	3	US-09-949-016-15365	Sequence 15365, A
	30	47.8	2.6	299	3	US-09-313-294A-772	Sequence 772, App
	31	45.6	2.5	519	2	US-08-686-878A-20	Sequence 20, Appl
	32	45.6	2.5	519	3	US-09-175-928-20	Sequence 20, Appl
c	33	45.4	2.5	1141	3	US-09-806-708B-22	Sequence 22, Appl
c	34	44.6	2.4	99500	3	US-09-798-096-10	Sequence 10, Appl
c	35	44.4	2.4	50000	3	US-09-662-254B-26	Sequence 26, Appl
	36	44.2	2.4	202001	3	US-09-734-674-3	Sequence 3, Appli
	37	44.2	2.4	202001	3	US-10-274-990-3	Sequence 3, Appli
	38	43.2	2.4	2780	3	US-09-841-786-10	Sequence 10, Appl
	39	43.2	2.4	9726	3	US-09-841-786-8	Sequence 8, Appli
	40	43.2	2.4	11130	3	US-09-841-786-15	Sequence 15, Appl
	41	43	2.4	268	3	US-09-313-294A-909	Sequence 909, App
c	42	42.4	2.3	453	3	US-09-270-767-9089	Sequence 9089, Ap
c	43	42.4	2.3	453	3	US-09-270-767-24371	Sequence 24371, A
	44	42.2	2.3	882	2	US-08-909-965C-9	Sequence 9, Appli
	45	42	2.3	640681	3	US-09-790-988-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-786-681A-3
; Sequence 3, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786,681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 1827
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(1747)
US-09-786-681A-3

Query Match 100.0%; Score 1827; DB 3; Length 1827;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1827; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AGCTTCCACCATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCCCCGGACCCG 60
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Db          1 AGCTTCCACCATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCCCCGGACCCG 60

Qy         61 GGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATAC 120

Qy        121 TGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGT 180

Qy        181 GGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGT 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGT 240

Qy        241 TGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 TGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTA 300

Qy        301 CTGTGAAATTGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCA 360
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Db        301 CTGTGAAATTGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCA 360
Qy        361 TTACTGGTACCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 420
Db        361 TTACTGGTACCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 420
Qy        421 TGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGG 480
Db        421 TGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGG 480
Qy        481 AAATCGAATTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATAC 540
Db        481 AAATCGAATTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATAC 540
Qy        541 TAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCG 600
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Qy        601 ATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTT 660
Db        601 ATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTT 660
Qy        661 CAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAC 720
Db        661 CAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAC 720
Qy        721 ATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGA 780
Db        721 ATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGA 780
Qy        781 CCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCA 840
Db        781 CCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCA 840
Qy        841 CCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCAT 900
Db        841 CCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCAT 900
Qy        901 CGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC 960
Db        901 CGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC 960
Qy        961 AGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020
Db        961 AGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020
Qy       1021 TGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCC 1080
Db       1021 TGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCC 1080
Qy       1081 AGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTC 1140
Db       1081 AGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTC 1140
Qy       1141 AAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCT 1200
Db       1141 AAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCT 1200
Qy       1201 TCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCC 1260
Db       1201 TCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCC 1260
Qy       1261 TTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGC 1320
Db       1261 TTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGC 1320
Qy       1321 GGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTT 1380
Db       1321 GGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTT 1380
Qy       1381 CATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGT 1440
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Db       1381 CATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGT 1440
Qy       1441 GCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACT 1500
Db       1441 GCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACT 1500
Qy       1501 AAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAAT 1560
Db       1501 AAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAAT 1560
Qy       1561 CTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATT 1620
Db       1561 CTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATT 1620
Qy       1621 TCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTG 1680
Db       1621 TCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTG 1680
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Db       1681 TGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAA 1740
Qy       1741 AATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTG 1800
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Db       1801 GAACTTGCACAGCAAAAACAAACAAAC 1827
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RESULT 2
US-09-786-681A-1
; Sequence 1, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786,681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2072
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)..(1794)
US-09-786-681A-1

Query Match 99.3%; Score 1814; DB 3; Length 2072;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1814; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         74 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 133
Db        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180
Qy        134 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 193
Db        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240
Qy        194 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 253
Db        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300
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Db       541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 600

Qy       554 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 613
Db       601 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660

Qy       614 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 673
Db       661 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 720

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Db       721 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 780

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Qy       794 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 853
Db       841 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 900

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Qy      1034 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1093
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Qy      1094 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1153
Db      1141 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1200

Qy      1154 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1213
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Qy      1214 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1273
Db      1261 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1320

Qy      1274 GCTGTGCCTCGTCCTATACCGGAGAAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1333
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Qy      1394 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1453
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Qy      1454 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1513
Db      1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560

Qy      1514 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1573
Db      1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620

Qy      1574 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1633
Db      1621 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1680

Qy      1634 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1693
Db      1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740

Qy      1694 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1753
Db      1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800

Qy      1754 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1813
Db      1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860

Qy      1814 AAAAACAAACAAAC 1827
Db      1861 AAAAACAAACAAAC 1874
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RESULT 3
US-09-621-976-18829
; Sequence 18829, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18829
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18829

Query Match 24.3%; Score 444; DB 3; Length 444;
Best Local Similarity 100.0%; Pred. No. 7.4e-107;
Matches 444; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       503 CTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCA 562
Db         1 CTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCA 60

Qy       563 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 622
Db        61 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 120

Qy       623 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 682
Db       121 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 180

Qy       683 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 742
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Qy        743 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 802
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 300

Qy        803 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 862
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 360

Qy        863 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 922
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Db        361 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 420

Qy        923 GAAGATTTATATACTGAGAGGGGA 946
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Db        421 GAAGATTTATATACTGAGAGGGGA 444


RESULT 4
US-09-513-999C-3708
; Sequence 3708, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
;  APPLICANT: Dumas Milne Edwards, J.B.
;  APPLICANT:  Duclert, A.
;  APPLICANT:  Giordano, J.Y.
;  TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
;  FILE REFERENCE: 59.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/513,999C
;  CURRENT FILING DATE:  2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/122,487
;  PRIOR FILING DATE: 1999-02-26
;  NUMBER OF SEQ ID NOS: 36681
;  SOFTWARE: Patent.pm
; SEQ ID NO 3708
;   LENGTH: 440
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 180..440
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 151
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 155
;   OTHER INFORMATION: s=g or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 162
;   OTHER INFORMATION: k=g or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 184
;   OTHER INFORMATION: n=a, g, c or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 323
;   OTHER INFORMATION: w=a or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 343
;   OTHER INFORMATION: n=a, g, c or t
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 397
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 400
;   OTHER INFORMATION: m=a or c
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 2
;   OTHER INFORMATION: Xaa=Lys or Met or Arg or Thr
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 55
;   OTHER INFORMATION: Xaa=Ala or Asp or Gly or Val
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 73
;   OTHER INFORMATION: Xaa=Ala or Asp
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 74
;   OTHER INFORMATION: Xaa=Lys or Thr
US-09-513-999C-3708

  Query Match           21.0%;  Score 383.4;  DB 3;  Length 440;
  Best Local Similarity   95.7%;  Pred. No. 6.7e-91;
  Matches  420;  Conservative    5;  Mismatches    8;  Indels    6;  Gaps    3;

Qy        591 TTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGT 650
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 TTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGT 61

Qy        651 TTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTT 710
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         62 TTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTT 121

Qy        711 TAATGAGAACATTAAGAAAAG----ATTATGCTCGGTACAGTAAAGAGGAAGAAATGGAT 766
              |||||||||||||||||||||    | |      :||||||:||||||||||||||||||||
Db        122 TAATGAGAACATTAAGAAAAGAATTAATGMCTCSGGTACAKTAAAGAGGAAGAAATGGAT 181

Qy        767 GAT-ATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATT 825
              ||  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        182 GANGATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATT 241

Qy        826 TAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATT 885
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        242 TAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATT 301

Qy        886 TGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGG 945
              ||||||||||||||||||:|||||||||||||||||| ||||||||||||||||||||||||
Db        302 TGCTGTGTCTCTCATCGTTATWATTGTTGCAATGATAGAAGNTTTATATACTGAGAGGGG 361

Qy        946 ATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCT-CCAGTGAATGGTTATT 1004
              ||||||||||||||||||||||||||||||||||:||:|||| ||||||||||||||||
Db        362 ATCAATGCTCAGTACAGCCATATTTGTCTATGCTGMTAMGTCTCCCAGTGAATGGTTATT 421

Qy       1005 TTGGAGGAAGTCTGTATGC 1023
              ||||||||||||||||||||
Db        422 TTGGAGGAAGTCTGTATGC 440


RESULT 5
US-09-270-767-679/c
; Sequence 679, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 679
;   LENGTH: 771
;   TYPE: DNA
```

; ORGANISM: Drosophila melanogaster
US-09-270-767-679

  Query Match 20.2%; Score 369.8; DB 3; Length 771;
  Best Local Similarity 67.7%; Pred. No. 3.3e-87;
  Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

```
Qy        563 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 622
              || || |||||         | ||| | ||  |  ||||||| ||||| || || |||||
Db        765 GTCAACTGGAAGCCCAGCAAGGTGGAGTTCAAGAATCGATTCGACAAGTACCTGGATCCC 706

Qy        623 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 682
                ||| || || ||  |||| || |||||     || ||||||  |||||||||||| |||
Db        705 AACTTCTTCCAGCACAGGATCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCATC 646

Qy        683 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 742
              ||| |||||||  | || || |||||| | ||| ||||  |  | || ||||||||||||
Db        645 TTCCTGGTGGGTCTGGTGTCCATGATTCTGATGCGAACTCTGCGCAAGGATTATGCTCGG 586

Qy        743 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 802
              |||||||| || || ||||| || || |||||  |||| || || |||||||| || |||
Db        585 TACAGTAAGGACGAGGAAATCGACGACATGGAGCGAGATCTTGGTGATGAATACGGCTGG 526

Qy        803 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 862
              || |||||||||||| ||||| ||  |  |  |  || ||||| | || ||  |  ||
Db        525 AAGCAGGTGCATGGCGATGTCTTCCGTTCTCCGCCCAACACACTGCTCTTCTCGGCGTTG 466

Qy        863 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 922
                | ||  ||||||  ||  |  || | ||    ||  || || ||  | || ||  |
Db        465 GTGGGCGCTGGATACCAACTGATTTCGGTTGTATTCTGTGTGATCATGTTCGCCATAGTT 406

Qy        923 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 982
              |  || || || || |  | || ||||    || || |||||||| ||||| ||
Db        405 GGTGAATTGTACACGGAACGCGGCTCCATGCTGTCCACGGCTATATTTGTGTATGCCGCC 346

Qy        983 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1042
              || || ||| | ||||| || |||||||||    || |||||  |  || ||| | |
Db        345 ACCTCACCAATCAATGGATACTTTGGAGGATCGCTCTATGCCCGCCTGGGTGGACGCATG 286

Qy       1043 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1102
              |||||   ||||||  |  |    || ||    | ||||    ||||| ||||| ||
Db        285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGCGGCACGGCT 226

Qy       1103 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1162
              |||  | ||||| ||||| ||||||    || || || || ||||||||||| || || ||
Db        225 TTCCTGATCAACTTCATTGCCATTGGATATCACGCCTCGAGAGCCATTCCCTTCGGTACC 166

Qy       1163 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1222
              ||||||||  ||    ||||||||  | ||||| || || ||  |  ||| || |||||
Db        165 ATGGTGGCGGTCACGTGCATCTGCCTGTTTGTCATCCTGCCCTTGACTCTGGTGGGTACT 106

Qy       1223 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1282
                |  | ||||| ||||||    || || ||  |||||||  || || ||||| || |||||
Db        105 GTCGTGGGCCGCAATCTGGACGGCCAACCGGACTTTCCATGCCGCGTCAACGCGGTGCCA 46

Qy       1283 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATT 1327
              || || || || || || || |||| |||||||||    | |||||
Db          45 CGACCCATTCCCGAAAAGAAGTGGTACATGGAGCCACTGATTATT 1
```

RESULT 6
US-09-270-767-15961/c
; Sequence 15961, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15961

; LENGTH: 771
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-15961

  Query Match 20.2%; Score 369.8; DB 3; Length 771;
  Best Local Similarity 67.7%; Pred. No. 3.3e-87;
  Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

```
Qy        563 GTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG 622
              || || |||||         | ||| | ||  |  ||||||| ||||| || || |||||
Db        765 GTCAACTGGAAGCCCAGCAAGGTGGAGTTCAAGAATCGATTCGACAAGTACCTGGATCCC 706

Qy        623 TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATC 682
                ||| || || ||  |||| || |||||     || ||||||  |||||||||||| |||
Db        705 AACTTCTTCCAGCACAGGATCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCATC 646

Qy        683 TTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGG 742
              ||| |||||||  | || || |||||| | ||| ||||  |  | || ||||||||||||
Db        645 TTCCTGGTGGGTCTGGTGTCCATGATTCTGATGCGAACTCTGCGCAAGGATTATGCTCGG 586

Qy        743 TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGG 802
              |||||||| || || ||||| || || |||||  |||| || || |||||||| || |||
Db        585 TACAGTAAGGACGAGGAAATCGACGACATGGAGCGAGATCTTGGTGATGAATACGGCTGG 526

Qy        803 AAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTG 862
              || |||||||||||| ||||| ||  |  |  |  || ||||| | || ||  |  ||
Db        525 AAGCAGGTGCATGGCGATGTCTTCCGTTCTCCGCCCAACACACTGCTCTTCTCGGCGTTG 466

Qy        863 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 922
                | ||  ||||||  ||  |  || | ||    ||  || || ||  | || ||  |
Db        465 GTGGGCGCTGGATACCAACTGATTTCGGTTGTATTCTGTGTGATCATGTTCGCCATAGTT 406

Qy        923 GAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCT 982
              |  || || || || |  | || ||||    || || |||||||| ||||| ||
Db        405 GGTGAATTGTACACGGAACGCGGCTCCATGCTGTCCACGGCTATATTTGTGTATGCCGCC 346

Qy        983 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGA 1042
              || || ||| | ||||| || |||||||||    || |||||  |  || ||| | |
Db        345 ACCTCACCAATCAATGGATACTTTGGAGGATCGCTCTATGCCCGCCTGGGTGGACGCATG 286

Qy       1043 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1102
              |||||   ||||||  |  |    || ||    | ||||    ||||| ||||| ||
Db        285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGCGGCACGGCT 226

Qy       1103 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1162
              |||  | ||||| ||||| ||||||    || || || || ||||||||||| || || ||
Db        225 TTCCTGATCAACTTCATTGCCATTGGATATCACGCCTCGAGAGCCATTCCCTTCGGTACC 166

Qy       1163 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1222
              ||||||||  ||    ||||||||  | ||||| || || ||  |  ||| || |||||
Db        165 ATGGTGGCGGTCACGTGCATCTGCCTGTTTGTCATCCTGCCCTTGACTCTGGTGGGTACT 106

Qy       1223 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1282
                |  | ||||| ||||||    || || ||  |||||||  || || ||||| || |||||
Db        105 GTCGTGGGCCGCAATCTGGACGGCCAACCGGACTTTCCATGCCGCGTCAACGCGGTGCCA 46

Qy       1283 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATT 1327
              || || || || || || || |||| |||||||||    | |||||
Db          45 CGACCCATTCCCGAAAAGAAGTGGTACATGGAGCCACTGATTATT 1
```

RESULT 7
US-09-513-999C-3502
; Sequence 3502, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG

```
;  CURRENT APPLICATION NUMBER: US/09/513,999C
;  CURRENT FILING DATE:  2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/122,487
;  PRIOR FILING DATE: 1999-02-26
;  NUMBER OF SEQ ID NOS: 36681
;  SOFTWARE: Patent.pm
; SEQ ID NO 3502
;   LENGTH: 433
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 100..432
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 86
;   OTHER INFORMATION: m=a or c
US-09-513-999C-3502

  Query Match          20.0%;  Score 364.8;  DB 3;  Length 433;
  Best Local Similarity   98.9%;  Pred. No. 5.2e-86;
  Matches  366;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          77 CACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAT 136
               ||   |||||||||||||||||:||||||||||||||||||||||||||||||||||||
Db          64 CAGCAGTATCAAGATAAAGAGGMAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCAT 123

Qy         137 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGT 196
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         124 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGT 183

Qy         197 ATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGT 256
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         184 ATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGT 243

Qy         257 GGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTA 316
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         244 GGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTA 303

Qy         317 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATG 376
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         304 GATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATG 363

Qy         377 TACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGAT 436
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         364 TACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGAT 423

Qy         437 TACTATCTTT 446
               ||||||||||
Db         424 TACTATCTTT 433


RESULT 8
US-09-270-767-28434
; Sequence 28434, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28434
;   LENGTH: 571
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-28434

  Query Match          12.6%;  Score 230.8;  DB 3;  Length 571;
  Best Local Similarity   72.7%;  Pred. No. 1.1e-50;
  Matches  298;  Conservative    0;  Mismatches  112;  Indels    0;  Gaps    0;

Qy        1347 TACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATA 1406
               | || ||||| || ||||| ||||| ||||| |||||||||||| || |||||||| || |
Db           1 TGCCCTTTGGATCCATCTTCATTGAGATGTACTTCATCTTCACCTCCTTCTGGGCGTACA 60

Qy        1407 AGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTG 1466
               ||||||| || ||||| ||||||||| |||||||   |     ||||||     | || || |
Db          61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTCAGCATCCTGACTGTGGTCACCG 120

Qy        1467 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1526
               | || || || || |||||||| || || || |||||||| || |||||||| ||||| |
Db         121 TGTGCGTCACCATCGTGTGCACCTACTTCCTGCTAAATGCCGAGGATTACCGATGGCAGT 180

Qy        1527 GGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1586
               |||| |||||  |  |||| |  || ||  | || || || |||   ||||||||  || |
Db         181 GGACGAGTTTCATGGCTGCGGGCTCCACGTCGATTTACGTGTACGCCTATTCCTTCTATT 240

Qy        1587 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1646
               |||  || || ||||| || ||||  ||  | || |||||  | || |||||||| || |
Db         241 ACTTCTTCTTTAAAACCAAAATGTTCGGTCTGTTCCAAACGGCCTTCTACTTTGGCTACA 300

Qy        1647 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAA 1706
               ||||  | || |||   |||||||| || || || ||  | || ||  |||| || |
Db         301 TGGCACTCTTCAGCGGCGCCTTGGGCATTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360

Qy        1707 GTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCC 1756
                 |||||| || |||||||| | |||||||||| ||||    |||
Db         361 ATCTCTTTGTGCGCAAAATCTATTCCAATGTGAAAATAGACTAAGAGCCC 410


RESULT 9
US-09-270-767-12633
; Sequence 12633, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;  APPLICANT: Homburger et al.
;  TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;  FILE REFERENCE: File Reference: 7326-094
;  CURRENT APPLICATION NUMBER: US/09/270,767
;  CURRENT FILING DATE: 1999-03-17
;  NUMBER OF SEQ ID NOS: 62517
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12633
;   LENGTH: 1151
;   TYPE: DNA
;   ORGANISM: Drosophila melanogaster
US-09-270-767-12633

  Query Match          12.6%;  Score 230.8;  DB 3;  Length 1151;
  Best Local Similarity   72.7%;  Pred. No. 1.5e-50;
  Matches  298;  Conservative    0;  Mismatches  112;  Indels    0;  Gaps    0;

Qy        1347 TACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATA 1406
               | || ||||| || ||||| ||||| ||||| |||||||||||| || |||||||| || |
Db           1 TGCCCTTTGGATCCATCTTCATTGAGATGTACTTCATCTTCACCTCCTTCTGGGCGTACA 60

Qy        1407 AGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTG 1466
               ||||||| || ||||| ||||||||| |||||||   |     ||||||     | || || |
Db          61 AGATCTACTACGTCTACGGCTTCATGTTGCTGGTTTTCAGCATCCTGACTGTGGTCACCG 120

Qy        1467 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1526
               | || || || || |||||||| || || || |||||||| || |||||||| ||||| |
Db         121 TGTGCGTCACCATCGTGTGCACCTACTTCCTGCTAAATGCCGAGGATTACCGATGGCAGT 180

Qy        1527 GGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1586
               |||| |||||  |  |||| |  || ||  | || || || |||   ||||||||  || |
Db         181 GGACGAGTTTCATGGCTGCGGGCTCCACGTCGATTTACGTGTACGCCTATTCCTTCTATT 240

Qy        1587 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1646
               |||  || || ||||| || ||||  ||  | || |||||  | || |||||||| || |
Db         241 ACTTCTTCTTTAAAACCAAAATGTTCGGTCTGTTCCAAACGGCCTTCTACTTTGGCTACA 300

Qy        1647 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAA 1706
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Db        301 TGGCACTCTTCAGCGGCGCCTTGGGCATTATCTGCGGCACCGTCGGCTATGTGGGCACGA 360

Qy       1707 GTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCC 1756

Db        361 ATCTCTTTGTGCGCAAAATCTATTCCAATGTGAAAATAGACTAAGAGCCC 410


RESULT 10
US-09-949-016-3623
; Sequence 3623, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3623
;   LENGTH: 2391
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-3623

  Query Match          12.5%;  Score 227.6;  DB 3;  Length 2391;
  Best Local Similarity   51.9%;  Pred. No. 1.5e-49;
  Matches  596;  Conservative    0;  Mismatches  534;  Indels   18;  Gaps    3;

Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668

Db        996 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1055

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728

Db       1056 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1115

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788

Db       1116 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG----------G 1163

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848

Db       1164 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 1223

Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908

Db       1224 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 1283

Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 965

Db       1284 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1343

Qy        966 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1025

Db       1344 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1403

Qy       1026 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1085

Db       1404 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1463

Qy       1086 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1145

Db       1464 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1523

Qy       1146 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1205

Db       1524 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1583

Qy       1206 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1265

Db       1584 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1640

Qy       1266 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1325

Db       1641 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1700

Qy       1326 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1385

Db       1701 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1760

Qy       1386 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1445

Db       1761 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1820

Qy       1446 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1505

Db       1821 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1880

Qy       1506 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1565

Db       1881 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1940

Qy       1566 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1625

Db       1941 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2000

Qy       1626 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1685

Db       2001 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 2060

Qy       1686 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1745

Db       2061 CAATTGGCTTCTTTGCATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 2120

Qy       1746 ACTAGAGA 1753

Db       2121 ACTGAAGA 2128


RESULT 11
US-08-959-004-6
; Sequence 6, Application US/08959004
; Patent No. 6197543
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
;    APPLICANT:  Yue, Henry
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    APPLICANT:  Kaser, Matthew
;    TITLE OF INVENTION:  HUMAN VESICLE MEMBRANE PROTEIN-LIKE
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/959,004
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;       FILING DATE:  Herewith
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Billings, Lucy J.
;       REGISTRATION NUMBER:  36,749
;       REFERENCE/DOCKET NUMBER:  PF-0414 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-855-0555
;       TELEFAX:  650-845-4166
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  2805 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     IMMEDIATE SOURCE:
;       LIBRARY:  ADRETUT06
;       CLONE:  2822412
US-08-959-004-6

  Query Match             12.5%;  Score 227.6;  DB 3;  Length 2805;
  Best Local Similarity   51.9%;  Pred. No. 1.6e-49;
  Matches  596;  Conservative    0;  Mismatches  534;  Indels   18;  Gaps    3;

Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
              | ||| ||     ||| |  |||    |  ||||| ||||||  ||| | || |||
Db       1044 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1103

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
              |  | || ||  |||||||    ||  | ||  | ||||||  |  |  | |||  |    |
Db       1104 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1163

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
              |||||  |||| | || | | |   |||    | |||  |||     |           |
Db       1164 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG-----------G 1211

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
              | |||| ||| |||||||  || |||||  ||| ||||  | ||  ||||  |     ||
Db       1212 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 1271

Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908
              |  | ||     |  | || || ||    |||||  ||    | || |  |  |   | |
Db       1272 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 1331

Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 965
              || | ||     | | |  |||  |   |||  |   ||  |  |||  |  ||    ||
Db       1332 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1391

Qy        966 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1025
              |  |  | |  |       |     |          || ||| |||  |  ||  | |||
Db       1392 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1451

Qy       1026 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1085
                |||||   ||  |||| ||  .  |  | ||  |     ||||  |||   ||  |  |
Db       1452 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1511

Qy       1086 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1145
              | || | ||          ||| | || ||| | ||  |        |      |||||  ||
Db       1512 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1571

Qy       1146 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1205
              | ||||||||||||  ||| |||| ||| | |    | | || || |   |  | | ||||
Db       1572 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1631

Qy       1206 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1265
              | |   || ||||| ||    ||||    ||  |   |          ||  ||  ||
Db       1632 TGACGTTTATTGGTGCATACTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1688

Qy       1266 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1325
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                |  ||||    | || ||||  || || ||  |    |  | || | ||||   |  |
Db       1689 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1748

Qy       1326 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1385
                | ||  | |||| || ||||| || ||||| |  ||||||||  || | |  ||||
Db       1749 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1808

Qy       1386 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1445
                | |    | | ||| || |  |||| |||||  | | |||||||  |  | ||||| |
Db       1809 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1868

Qy       1446 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1505
                | ||  ||   |||      |      | |||||  |       |||||  |  |||  ||
Db       1869 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1928

Qy       1506 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1565
              |||| ||||| |  |||||||||      || ||  |   ||  |  ||||||  | |||
Db       1929 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1988

Qy       1566 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1625
                | |  || ||| |  |  ||||||  ||||  |||     ||||    ||   |    |
Db       1989 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2048

Qy       1626 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1685
              ||    | |||||||| ||||    | || |          |||.    |   |   |||
Db       2049 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 2108

Qy       1686 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1745
              | ||||| | | | |     |   |||||     ||||| || | |   |||||  |||
Db       2109 CAATTGGCTTCTTTGCATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 2168

Qy       1746 ACTAGAGA 1753
                |||  |||
Db       2169 ACTGAAGA 2176


RESULT 12
US-10-104-047-1699
; Sequence 1699, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
;  APPLICANT: HELIX RESEARCH INSTITUTE
;  TITLE OF INVENTION: No. 6943241el full length cDNA
;  FILE REFERENCE: H1-A0105
;  CURRENT APPLICATION NUMBER: US/10/104,047
;  CURRENT FILING DATE:  2002-03-25
;  PRIOR APPLICATION NUMBER:
;  PRIOR FILING DATE:
;  NUMBER OF SEQ ID NOS: 4096
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
;   LENGTH: 1878
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-104-047-1699

  Query Match             12.4%;  Score 226;  DB 3;  Length 1878;
  Best Local Similarity   51.8%;  Pred. No. 3.5e-49;
  Matches  595;  Conservative    0;  Mismatches  535;  Indels   18;  Gaps    3;

Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
              | ||| ||     ||| |  |||    |  ||||| ||||||  ||| | || |||
Db        693 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 752

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
              |  | || ||  |||||||    ||  | ||  | ||||||  |  |  | |||  |    |
Db        753 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 812

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
              |||||  |||| | || | | |   |||    | |||.|||     |           |
Db        813 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG-----------G 860

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
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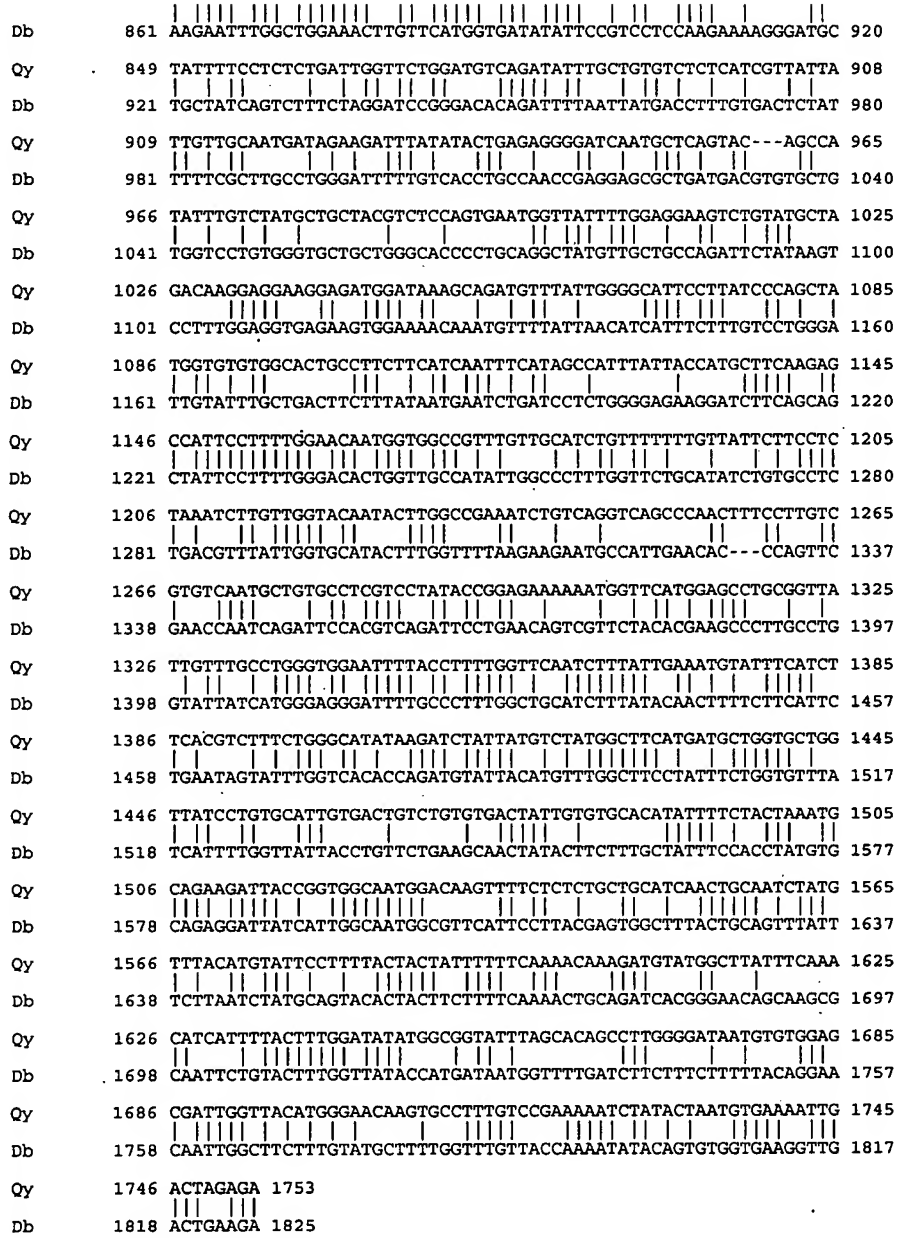
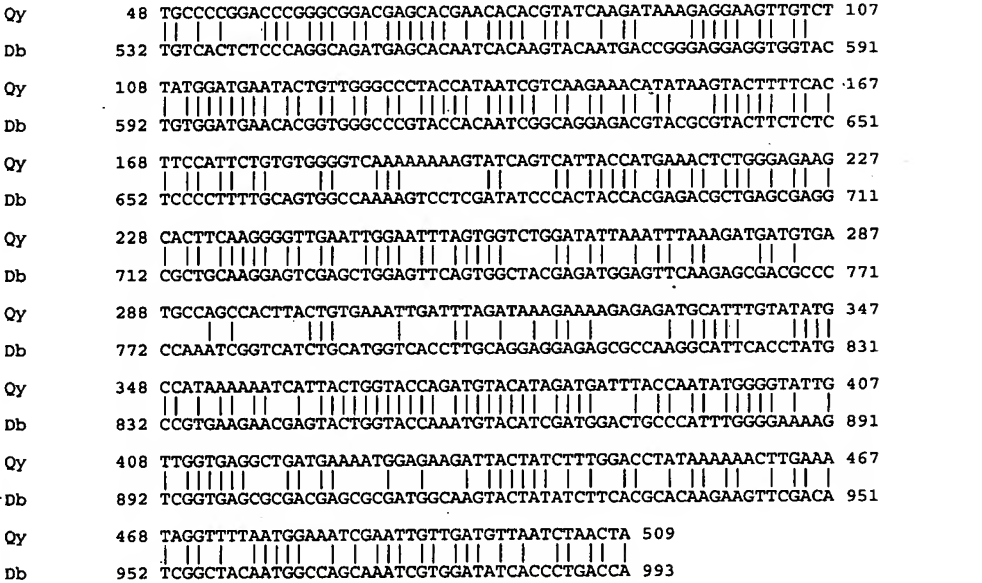


RESULT 13
US-09-270-767-14715
; Sequence 14715, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14715
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-14715

Query Match 8.8%; Score 161.2; DB 3; Length 995;
Best Local Similarity 59.3%; Pred. No. 3.1e-32;
Matches 274; Conservative 0; Mismatches 188; Indels 0; Gaps 0;



RESULT 14
US-09-248-796A-6208
; Sequence 6208, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 6208
; LENGTH: 726
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-6208

Query Match 7.3%; Score 132.8; DB 3; Length 726;

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  Best Local Similarity   51.0%;  Pred. No. 8e-25;
  Matches  367;  Conservative    0;  Mismatches  347;  Indels    6;  Gaps    2;

Qy       1031 GGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTG 1090
             || ||     |  |||| |  | | ||||| |     || |  | | |||| ||  ||
Db         13 GGTGGTGACAATTGGAAATTGAATATGTTTTTGACACCAGTTTTAGTACCAGGGATTTTG 72

Qy       1091 TGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATT 1150
             | |    |  | |  |  | |||||| |    ||||    ||  ||||  | || |||
Db         73 TCTCTGGTTTTCGTTGTGTTGAATTTCTTTTTAATTTCAGTACAATCTTCTGGTGCTATT 132

Qy       1151 CCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAAT 1210
             | | |  || |||||  | |||  ||    |  || || ||  || |     ||||  ||| |
Db        133 CATATGGGGACAATGTTTGCCATTGTCTTAATTTGGTTCATTATATCGATTCCATTAAGT 192

Qy       1211 CTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTC 1270
             || ||||  ||||  | |   | |||    ||       |     | ||       | |
Db        193 GTTATTGGATCAATTTTAGCTAGTAATAGACCATTATTATC---GGTACCAGTGAGAACT 249

Qy       1271 AATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTT 1330
             |||   | ||  | |  || ||    ||  |||||  |   ||     | |  | |
Db        250 AATCAAATTCCAAGACAAATTCCTACTCAACCATGGTATTTAAGTACTATCCCGGTAATG 309

Qy       1331 TGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACG 1390
             |    |    |||||||| || ||||| |||||    | | ||||||||||| || |    |
Db        310 TTTATTTCGGGAATTTTCCCATTTGGATCAATTGCTGTGGAAATGTATTTTATTTATTCA 369

Qy       1391 TCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATC 1450
             ||  | |||     ||||||| | |||| | | ||| ||  |  |  |      |  | |
Db        370 TCAATTTGGTTTAATAAGATTTTTTATATGTTTGGATTTTTATTTTTCTGTTTCATATTA 429

Qy       1451 CTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAA 1510
              ||    |  | |   |  | |||||| |    |  |||| |    ||  | |||||
Db        430 ATGATTTTAACTAGTAGTTTAATTACTATTTTAATGATTTATTATACTTTATGTTCAGAA 489

Qy       1511 GATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTAC 1570
              ||||    |||||||||| |   ||  |   ||  | |     |||||| ||||| |
Db        490 AATTATAAATGGCAATGGAAATCATTATTTGTTGGAGGAGGTTGTGCAATTTATGTATTT 549

Qy       1571 ATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCA 1630
             ||  |||| ||||  |    |  |    |  |||  |   ||| ||   |  |  |
Db        550 ATTCATTCATTTTTTTTGACTGGTGGTGA---AAAATTTGGTGGATTTAGTTCATTAGTT 606

Qy       1631 TTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATT 1690
             || |||  ||| |||   || ||  ||      |     |     |    |||||| | |||
Db        607 TTATACAGTGGTTATTCAGCTGTGATTTCATTATTAGTTTTCCTTTGTTGTGGATCAATT 666

Qy       1691 GGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAG 1750
             || |  ||  | |       |||||| ||  ||| |||  | |  | |||||||| |||
Db        667 GGATTTATTAGTAGTTTAATATTTGTCAGATTAATTTATGGTCAAATTAAAATTGATTAG 726
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RESULT 15
US-09-313-294A-2292
; Sequence 2292, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
;  APPLICANT:  Lalgudi, Raghunath V.
;  APPLICANT:  Ito, Laura Y.
;  APPLICANT:  Sherman, Bradley K.
;  TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
;  FILE REFERENCE:  PL-0017 US
;  CURRENT APPLICATION NUMBER:  US/09/313,294A
;  CURRENT FILING DATE:  1999-05-14
;  NUMBER OF SEQ ID NOS:  7600
;  SOFTWARE:  PERL Program
; SEQ ID NO 2292
;   LENGTH:  262
;   TYPE:  DNA
;   ORGANISM:  Zea mays
;   FEATURE:
;   NAME/KEY:  misc_feature
;   OTHER INFORMATION:  Incyte ID No. 6476212 700552439H1
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US-09-313-294A-2292

  Query Match             5.5%;  Score 101;  DB 3;  Length 262;
  Best Local Similarity   68.4%;  Pred. No. 1.2e-16;
  Matches  154;  Conservative    0;  Mismatches   70;  Indels    1;  Gaps    1;

Qy       1467 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAAT 1526
             |||| || |||||||||| | || |||||  | || || || ||  | ||||  |||||||
Db         39 TCTGCGTCACTATTGTGGGTACTTATTTCTTGCTGAACGCCGAGAACTACCATTGGCAAT 98

Qy       1527 GGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACT 1586
             ||||    |||  ||||| || ||||| ||  | || ||  |||| ||| | ||||
Db         99 GGACGTCGTTTTCTTCTGCAGCGTCAACCGCTCTGTACGTGTATCTGTACTCCATCTACT 158

Qy       1587 ACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1646
             ||||   | || ||||||||||  ||||| || || |||   || || || || || | |
Db        159 ACTACCATGTGAAGACAAAGATGTCAGGCTTCTTCCAGACAAGTTTCTATTTCGGCTACA 218

Qy       1647 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTG 1691
              | | | ||  || | | | | || ||| | |||||||| ||||
Db        219 CGCTGATGTTCTGC-CTGGCCTAGGCATACTTTGTGGAGCTATTG 262
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GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 21:56:09 ; Search time 1498.99 Seconds
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Perfect score: 1827
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	1816.4	99.4	3508	3	US-09-814-353-21837	Sequence 21837, A
	3	1816.4	99.4	4024	5	US-10-198-846-10005	Sequence 10005, A
	4	1814	99.3	2072	8	US-10-755-466-1	Sequence 1, Appli
	5	1804.4	98.8	3370	3	US-09-374-046A-25	Sequence 25, Appl
	6	1804.4	98.8	3370	7	US-10-616-263-25	Sequence 25, Appl
	7	1763	96.5	3076	3	US-09-915-582-29	Sequence 29, Appl
	8	1763	96.5	3076	6	US-10-277-802-29	Sequence 29, Appl
	9	1763	96.5	3076	8	US-10-896-972-29	Sequence 29, Appl
	10	1725.4	94.4	3389	6	US-10-205-219-122	Sequence 122, App
	11	1725.4	94.4	3389	9	US-10-956-157-2297	Sequence 2297, Ap
	12	1725.4	94.4	3389	9	US-10-287-436A-335	Sequence 335, App
	13	1024.6	56.1	6197	6	US-10-062-674-1697	Sequence 1697, Ap
	14	726.4	39.8	1070	6	US-10-264-237-1414	Sequence 1414, Ap
	15	646	35.4	1863	10	US-11-097-143-22277	Sequence 22277, A
	16	629.6	34.5	1867	3	US-09-915-582-13	Sequence 13, Appl
	17	629.6	34.5	1867	6	US-10-277-802-13	Sequence 13, Appl
	18	629.6	34.5	1867	8	US-10-896-972-13	Sequence 13, Appl
	19	583.6	31.9	2461	8	US-10-425-115-140808	Sequence 140808,
	20	581	31.8	2355	8	US-10-739-930-4365	Sequence 4365, Ap
	21	573.6	31.4	1899	7	US-10-437-963-39405	Sequence 39405, A
c	22	570.8	31.2	2406	7	US-10-437-963-14430	Sequence 14430, A
	23	567.8	31.1	2698	8	US-10-425-115-140919	Sequence 140919,
c	24	563.6	30.8	4169	10	US-11-097-143-22276	Sequence 22276, A
	25	562.4	30.8	2152	7	US-10-767-701-12720	Sequence 12720, A
	26	547.4	30.0	2039	7	US-10-425-114-26742	Sequence 26742, A
	27	547.4	30.0	2068	8	US-10-425-115-101961	Sequence 101961,
	28	537.8	29.4	560	7	US-10-242-535A-2630	Sequence 2630, Ap
	29	537.8	29.4	560	7	US-10-085-783A-2630	Sequence 2630, Ap
	30	474.6	26.0	1535	8	US-10-425-115-21677	Sequence 21677, A
c	31	473.2	25.9	545	9	US-10-287-436A-887	Sequence 887, App
c	32	473.2	25.9	545	9	US-10-287-436A-1419	Sequence 1419, Ap
	33	464.8	25.4	2316	7	US-10-437-963-658	Sequence 658, App
c	34	416.4	22.8	419	3	US-09-918-995-3956	Sequence 3956, Ap
	35	409.6	22.4	497	3	US-09-969-034-1724	Sequence 1724, Ap
	36	409.4	22.4	418	9	US-10-779-543-11907	Sequence 11907, A
c	37	406.2	22.2	459	6	US-10-062-674-445	Sequence 445, App
	38	365.6	20.0	455	6	US-10-002-631C-133	Sequence 133, App
	39	365.6	20.0	455	6	US-10-002-631C-134	Sequence 134, App
	40	300.8	16.5	731	7	US-10-333-184-388	Sequence 388, App
	41	300.8	16.5	2032	8	US-10-425-115-21679	Sequence 21679, A
	42	296.4	16.2	2748	7	US-10-424-599-103451	Sequence 103451,
	43	294.8	16.1	1033	7	US-10-425-114-16392	Sequence 16392, A
	44	273.8	15.0	529	5	US-10-198-846-11456	Sequence 11456, A
	45	262.6	14.4	600	7	US-10-021-323-3365	Sequence 3365, Ap

ALIGNMENTS

RESULT 1
US-10-755-466-3
; Sequence 3, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
; APPLICANT: HIDAKA , Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/10/755,466
; CURRENT FILING DATE: 2004-01-13
; PRIOR APPLICATION NUMBER: US/09/786,681
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 1827
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(1747)
US-10-755-466-3

Query Match 100.0%; Score 1827; DB 8; Length 1827;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1827; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AGCTTCCACCATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AGCTTCCACCATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCG 60

Qy         61 GGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATAC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATAC 120

Qy        121 TGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGT 180

Qy        181 GGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGT 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGT 240

Qy        241 TGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTA 300
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Db        241 TGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTA 300

Qy        301 CTGTGAAATTGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCA 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 CTGTGAAATTGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCA 360

Qy        361 TTACTGGTACCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 TTACTGGTACCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 420

Qy        421 TGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGG 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGG 480

Qy        481 AAATCGAATTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATAC 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 AAATCGAATTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATAC 540

Qy        541 TAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 TAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCG 600

Qy        601 ATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTT 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 ATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTT 660

Qy        661 CAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAC 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAAC 720

Qy        721 ATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGA 780
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Db        721 ATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGA 780

Qy        781 CCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCA 840
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Db        781 CCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCA 840

Qy        841 CCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCAT 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCAT 900

Qy        901 CGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC 960
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Db        901 CGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC 960

Qy        961 AGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 AGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020

Qy       1021 TGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCC 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 TGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCC 1080

Qy       1081 AGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTC 1140
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Db       1081 AGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTC 1140

Qy       1141 AAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCT 1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCT 1200

Qy       1201 TCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCC 1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 TCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCC 1260

Qy       1261 TTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGC 1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGC 1320

Qy       1321 GGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTT 1380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 GGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTT 1380

Qy       1381 CATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGT 1440
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Db       1381 CATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGT 1440

Qy       1441 GCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACT 1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 GCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACT 1500

Qy       1501 AAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAAT 1560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 AAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAAT 1560

Qy       1561 CTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATT 1620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 CTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATT 1620

Qy       1621 TCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTG 1680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1621 TCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTG 1680

Qy       1681 TGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAA 1740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 TGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAA 1740

Qy       1741 AATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTG 1800
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Db       1741 AATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTG 1800

Qy       1801 GAACTTGCACAGCAAAAACAAACAAAC 1827
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Db       1801 GAACTTGCACAGCAAAAACAAACAAAC 1827
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RESULT 2
US-09-814-353-21837
; Sequence 21837, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21837
; LENGTH: 3508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3506, 3507, 3508
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21837

Query Match 99.4%; Score 1816.4; DB 3; Length 3508;

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  Matches 1817;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         10 CATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 69
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Db         46 CGTGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 105

Qy         70 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 129
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        106 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 165

Qy        130 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 189
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        166 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 225

Qy        190 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 249
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        226 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 285

Qy        250 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 309
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Db        286 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 345

Qy        310 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 369
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        346 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 405

Qy        370 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 429
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        406 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 465

Qy        430 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 489
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        466 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 525

Qy        490 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCA 549
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Db        526 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCA 585

Qy        550 GATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAA 609
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        586 GATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAA 645

Qy        610 ATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTT 669
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        646 ATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTT 705

Qy        670 CATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAA 729
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Db        706 CATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAA 765

Qy        730 AGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGA 789
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Db        766 AGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGA 825

Qy        790 TGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGAT 849
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Db        826 TGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGAT 885

Qy        850 ATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTAT 909
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        886 ATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTAT 945

Qy        910 TGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATT 969
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        946 TGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATT 1005

Qy        970 TGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACA 1029
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Db       1006 TGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACA 1065

Qy       1030 AGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGT 1089
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1066 AGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGT 1125

Qy       1090 GTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCAT 1149
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1126 GTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCAT 1185

Qy       1150 TCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAA 1209
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1186 TCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAA 1245

Qy       1210 TCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGT 1269
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Db       1246 TCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGT 1305

Qy       1270 CAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGT 1329
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1306 CAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGT 1365

Qy       1330 TTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCAC 1389
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1366 TTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCAC 1425

Qy       1390 GTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTAT 1449
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1426 GTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTAT 1485

Qy       1450 CCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGA 1509
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1486 CCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGA 1545

Qy       1510 AGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTA 1569
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Db       1546 AGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTA 1605

Qy       1570 CATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATC 1629
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1606 CATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATC 1665

Qy       1630 ATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGAT 1689
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Db       1666 ATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGAT 1725

Qy       1690 TGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTA 1749
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1726 TGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTA 1785

Qy       1750 GAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCA 1809
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1786 GAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCA 1845

Qy       1810 CAGCAAAAACAAACAAAC 1827
              ||||||||||||||||||
Db       1846 CAGCAAAAACAAACAAAC 1863
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RESULT 3
US-10-198-846-10005
; Sequence 10005, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
;  APPLICANT: Lillie, James
;  APPLICANT:  Xu, Yongyao
;  APPLICANT:  Wang, Youzhen
;  APPLICANT:  Steinmann, Kathleen
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
;  TITLE OF INVENTION:  FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
;  TITLE OF INVENTION:  THERAPY OF BREAST CANCER
;  FILE REFERENCE: MRI-049
;  CURRENT APPLICATION NUMBER: US/10/198,846
;  CURRENT FILING DATE:  2002-07-18
;  PRIOR APPLICATION NUMBER: 60/306,220
;  PRIOR FILING DATE: 2001-07-18
;  NUMBER OF SEQ ID NOS: 14084
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;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10005
;   LENGTH: 4024
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 2, 4021, 4022, 4023, 4024
;   OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10005

  Query Match             99.4%;  Score 1816.4;  DB 5;  Length 4024;
  Best Local Similarity   99.9%;  Pred. No. 0;
  Matches 1817;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         10 CATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 69
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         46 CGTGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 105

Qy         70 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 129
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        106 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 165

Qy        130 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 189
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        166 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 225

Qy        190 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 249
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        226 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 285

Qy        250 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 309
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        286 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 345

Qy        310 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 369
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        346 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 405

Qy        370 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 429
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        406 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 465

Qy        430 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 489
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        466 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 525

Qy        490 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCA 549
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        526 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCA 585

Qy        550 GATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAA 609
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        586 GATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAA 645

Qy        610 ATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTT 669
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        646 ATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTT 705

Qy        670 CATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAA 729
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        706 CATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAA 765

Qy        730 AGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGA 789
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        766 AGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGA 825

Qy        790 TGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGAT 849
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        826 TGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGAT 885

Qy        850 ATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTAT 909
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        886 ATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTAT 945

Qy        910 TGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATT 969
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        946 TGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATT 1005

Qy        970 TGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACA 1029
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1006 TGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACA 1065

Qy       1030 AGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGT 1089
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1066 AGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGT 1125

Qy       1090 GTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCAT 1149
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1126 GTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCAT 1185

Qy       1150 TCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAA 1209
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1186 TCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAA 1245

Qy       1210 TCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGT 1269
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1246 TCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGT 1305

Qy       1270 CAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGT 1329
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1306 CAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGT 1365

Qy       1330 TTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCAC 1389
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1366 TTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCAC 1425

Qy       1390 GTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTAT 1449
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1426 GTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTAT 1485

Qy       1450 CCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGA 1509
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1486 CCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGA 1545

Qy       1510 AGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTA 1569
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1546 AGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTA 1605

Qy       1570 CATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATC 1629
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1606 CATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATC 1665

Qy       1630 ATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGAT 1689
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1666 ATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGAT 1725

Qy       1690 TGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTA 1749
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1726 TGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTA 1785

Qy       1750 GAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCA 1809
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1786 GAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCA 1845

Qy       1810 CAGCAAAAACAAACAAAC 1827
              ||||||||||||||||||
Db       1846 CAGCAAAAACAAACAAAC 1863

RESULT 4
US-10-755-466-1
; Sequence 1, Application US/10755466
; Publication No. US20040265854A1
; GENERAL INFORMATION:
;  APPLICANT: HIDAKA , Jun et al.
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;  TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
;  TITLE OF INVENTION:  BINDING ACTIVITIES, AND THEIR USES
;  FILE REFERENCE: 0020-4827P
;  CURRENT APPLICATION NUMBER: US/10/755,466
;  CURRENT FILING DATE:  2004-01-13
;  PRIOR APPLICATION NUMBER: US/09/786,681
;  PRIOR FILING DATE: 2001-04-30
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 2072
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (49)..(1794)
US-10-755-466-1

  Query Match             99.3%;  Score 1814;  DB 8;  Length 2072;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1814;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         14 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 73
Db         61 GCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCAC 120

Qy         74 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 133
Db        121 GAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTAC 180

Qy        134 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 193
Db        181 CATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAA 240

Qy        194 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 253
Db        241 AGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTT 300

Qy        254 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 313
Db        301 AGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGAT 360

Qy        314 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 373
Db        361 TTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAG 420

Qy        374 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 433
Db        421 ATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAA 480

Qy        434 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 493
Db        481 GATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTT 540

Qy        494 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 553
Db        541 GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATG 600

Qy        554 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 613
Db        601 TCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660

Qy        614 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 673
Db        661 CTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATG 720

Qy        674 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 733
Db        721 ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGAT 780

Qy        734 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 793
Db        781 TATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 840

Qy        794 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 853
Db        841 TATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTT 900

Qy        854 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 913
Db        901 TCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTT 960

Qy        914 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 973
Db        961 GCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTC 1020

Qy        974 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1033
Db       1021 TATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080

Qy       1034 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1093
Db       1081 GGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGT 1140

Qy       1094 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1153
Db       1141 GGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCT 1200

Qy       1154 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1213
Db       1201 TTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTT 1260

Qy       1214 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1273
Db       1261 GTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAAT 1320

Qy       1274 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1333
Db       1321 GCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGC 1380

Qy       1334 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1393
Db       1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCT 1440

Qy       1394 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1453
Db       1441 TTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTG 1500

Qy       1454 TGCATTGTGACTGTCTGTGTGACTATTGTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1513
Db       1501 TGCATTGTGACTGTCTGTGTGACTATTGTGTGTGCACATATTTTCTACTAAATGCAGAAGAT 1560

Qy       1514 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1573
Db       1561 TACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATG 1620

Qy       1574 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1633
Db       1621 TATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTT 1680

Qy       1634 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1693
Db       1681 TACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGT 1740

Qy       1694 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1753
Db       1741 TACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1800

Qy       1754 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1813
Db       1801 CCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860

Qy       1814 AAAAACAAACAAAC 1827
Db       1861 AAAAACAAACAAAC 1874
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RESULT 5
US-09-374-046A-25
; Sequence 25, Application US/09374046A
; Publication No. US20030096951A1
; GENERAL INFORMATION:
;  APPLICANT: Jacobs, Kenneth
;  APPLICANT: McCoy, John M.
;  APPLICANT: LaVallie, Edward R.
;  APPLICANT: Collins-Racie, Lisa A.
;  APPLICANT: Evans, Cheryl
;  APPLICANT: Merberg, David
;  APPLICANT: Treacy, Maurice
;  APPLICANT: Agostino, Michael J.
;  APPLICANT: Steininger II, Robert J.
;  APPLICANT: Spaulding, Vikki
;  APPLICANT: Wong, Gordon G.
;  APPLICANT: Clark, Hilary
;  APPLICANT: Fechtel, Kim
;  APPLICANT: Genetics Institute, Inc.
;  TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
;  FILE REFERENCE: GI 6075-83A
;  CURRENT APPLICATION NUMBER: US/09/374,046A
;  CURRENT FILING DATE: 1999-08-13
;  NUMBER OF SEQ ID NOS: 240
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 3370
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-374-046A-25

  Query Match             98.8%;  Score 1804.4;  DB 3;  Length 3370;
  Best Local Similarity   99.9%;  Pred. No. 0;
  Matches 1805;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         22 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 81
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACAC 60

Qy         82 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 141
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 120

Qy        142 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 201
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 180

Qy        202 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 261
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 240

Qy        262 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 321
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 300

Qy        322 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 381
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 360

Qy        382 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 441
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 420

Qy        442 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 501
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 480

Qy        502 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 561
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 540

Qy        562 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 621
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 600

Qy        622 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 681
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 660

Qy        682 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 741
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 720

Qy        742 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 801
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 780

Qy        802 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 861
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 840

Qy        862 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 921
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 900

Qy        922 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 981
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 960

Qy        982 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1041
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1020

Qy       1042 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1101
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1080

Qy       1102 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1161
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1140

Qy       1162 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1221
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1200

Qy       1222 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1281
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1260

Qy       1282 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1341
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1320

Qy       1342 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1401
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1380

Qy       1402 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1461
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1440

Qy       1462 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTG 1521
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Db       1441 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCCGTG 1500

Qy       1522 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1581
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1560

Qy       1582 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1641
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1620

Qy       1642 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1701
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       1621 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1680

Qy       1702 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1761
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1740

Qy       1762 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1821
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1741 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1800

Qy       1822 ACAAAC 1827
              ||||||
Db       1801 ACAAAC 1806


RESULT 6
US-10-616-263-25
; Sequence 25, Application US/10616263
; Publication No. US20040038276A1
; GENERAL INFORMATION:
;  APPLICANT: Jacobs, Kenneth
;  APPLICANT:  McCoy, John M.
;  APPLICANT:  LaVallie, Edward R.
;  APPLICANT:  Collins-Racie, Lisa A.
;  APPLICANT:  Evans, Cheryl
;  APPLICANT:  Merberg, David
;  APPLICANT:  Treacy, Maurice
;  APPLICANT:  Agostino, Michael J.
;  APPLICANT:  Steininger II, Robert J.
;  APPLICANT:  Spaulding, Vikki
;  APPLICANT:  Wong, Gordon G.
;  APPLICANT:  Clark, Hilary
;  APPLICANT:  Fechtel, Kim
;  APPLICANT:  Genetics Institute, Inc.
;  TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
;  FILE REFERENCE: 00766.000103.5
;  CURRENT APPLICATION NUMBER: US/10/616,263
;  CURRENT FILING DATE:  2003-07-08
;  NUMBER OF SEQ ID NOS: 240
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 3370
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-616-263-25

  Query Match             98.8%;  Score 1804.4;  DB 7;  Length 3370;
  Best Local Similarity   99.9%;  Pred. No. 0;
  Matches 1805;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         22 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCACGAACACAC 81
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCACGAACACAC 60

Qy         82 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 141
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCG 120

Qy        142 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 201
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAG 180

Qy        202 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 261
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCT 240

Qy        262 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 321
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAA 300

Qy        322 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 381
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACAT 360

Qy        382 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 441
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 AGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTA 420

Qy        442 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 501
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAA 480

Qy        502 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 561
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 TCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTC 540

Qy        562 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 621
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCC 600

Qy        622 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 681
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 GTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGAT 660

Qy        682 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 741
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCG 720

Qy        742 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 801
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 GTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATG 780

Qy        802 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 861
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 GAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCT 840

Qy        862 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 921
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 GATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGAT 900

Qy        922 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 981
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 AGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGC 960

Qy        982 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1041
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 TACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAG 1020

Qy       1042 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1101
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 ATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGC 1080

Qy       1102 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1161
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 CTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAAC 1140

Qy       1162 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1221
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTAC 1200

Qy       1222 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1281
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 AATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCC 1260

Qy       1282 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1341
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGG 1320

Qy       1342 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1401
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 AATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGC 1380

Qy       1402 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1461
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 ATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGT 1440
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Qy       1462 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTG 1521
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Db       1441 GACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCCGTG 1500

Qy       1522 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1581
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 GCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTT 1560

Qy       1582 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1641
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 TTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGG 1620

Qy       1642 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1701
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1621 ATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGG 1680

Qy       1702 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1761
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 AACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAA 1740

Qy       1762 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1821
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1741 AACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAA 1800

Qy       1822 ACAAAC 1827
             ||||||
Db       1801 ACAAAC 1806


RESULT 7
US-09-915-582-29
; Sequence 29, Application US/09915582
; Patent No. US20020120103A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 17 Human Secreted Proteins
;  FILE REFERENCE: PS723P1
;  CURRENT APPLICATION NUMBER: US/09/915,582
;  CURRENT FILING DATE:  2001-07-27
;  PRIOR APPLICATION NUMBER: PCT/US01/01431
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/231,968
;  PRIOR FILING DATE: 2000-09-12
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
;   LENGTH: 3076
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (3064)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-915-582-29

  Query Match             96.5%;  Score 1763;  DB 3;  Length 3076;
  Best Local Similarity   98.8%;  Pred. No. 0;
  Matches 1772;  Conservative    3;  Mismatches   18;  Indels    0;  Gaps    0;

Qy         35 CTGCTGCTGCTGCTGCCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 94
              |||| | | | | |       ||||||  |||:  | ||::| ||||||||||||||||||
Db         13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy         95 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 154
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy        155 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 214
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db        133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy        215 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 274
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy        275 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 334
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy        335 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 394
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy        395 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 454
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy        455 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 514
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492

Qy        515 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 574
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552

Qy        575 AAGTCAGATGTGAAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 634
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        553 AAGTCAGATGTGAAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612

Qy        635 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 694
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672

Qy        695 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 754
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732

Qy        755 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 814
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792

Qy        815 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 874
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852

Qy        875 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 934
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912

Qy        935 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 994
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972

Qy        995 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1054
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032

Qy       1055 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092

Qy       1115 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1174
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152

Qy       1175 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1234
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212

Qy       1235 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1294
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272
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Qy       1295 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1354
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332

Qy       1355 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1414
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392

Qy       1415 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1474
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452

Qy       1475 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1534
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512

Qy       1535 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1594
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572

Qy       1595 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1654
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1632

Qy       1655 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1714
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692

Qy       1715 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1774
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752

Qy       1775 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1827
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1805
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RESULT 8
US-10-277-802-29
; Sequence 29, Application US/10277802
; Publication No. US20030190707A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/277,802
; CURRENT FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-277-802-29

Query Match 96.5%; Score 1763; DB 6; Length 3076;
Best Local Similarity 98.8%; Pred. No. 0;
Matches 1772; Conservative 3; Mismatches 18; Indels 0; Gaps 0;

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Qy         35 CTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 94
              |||| | | | | |       ||||||  ||:  | ||::| ||||||||||||||||
Db         13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy         95 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 154
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy        155 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 214
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy        215 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 274
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy        275 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 334
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy        335 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 394
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy        395 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 454
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy        455 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 514
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492

Qy        515 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 574
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552

Qy        575 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 634
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        553 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612

Qy        635 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 694
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672

Qy        695 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 754
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732

Qy        755 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 814
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792

Qy        815 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 874
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852

Qy        875 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 934
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912

Qy        935 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 994
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972

Qy        995 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1054
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032

Qy       1055 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092
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Qy      1115 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1174
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152

Qy      1175 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1234
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212

Qy      1235 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1294
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272

Qy      1295 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1354
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332

Qy      1355 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1414
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392

Qy      1415 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1474
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452

Qy      1475 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1534
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512

Qy      1535 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1594
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572

Qy      1595 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1654
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTA 1632

Qy      1655 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1714
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692

Qy      1715 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1774
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752

Qy      1775 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1827
             |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1805


RESULT 9
US-10-896-972-29
; Sequence 29, Application US/10896972
; Publication No. US20050032168A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 17 Human Secreted Proteins
;  FILE REFERENCE: PS723P1
;  CURRENT APPLICATION NUMBER: US/10/896,972
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US/09/915,582
;  PRIOR FILING DATE: 2001-07-27
;  PRIOR APPLICATION NUMBER: PCT/US01/01431
;  PRIOR FILING DATE: 2001-01-17
;  PRIOR APPLICATION NUMBER: 60/179,065
;  PRIOR FILING DATE: 2000-01-31
;  PRIOR APPLICATION NUMBER: 60/180,628
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: 60/231,968
;  PRIOR FILING DATE: 2000-09-12
;  NUMBER OF SEQ ID NOS: 97
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
;   LENGTH: 3076
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (3064)
;   OTHER INFORMATION: n equals a,t,g, or c
US-10-896-972-29

  Query Match            96.5%;  Score 1763;  DB 8;  Length 3076;
  Best Local Similarity  98.8%;  Pred. No. 0;
  Matches 1772;  Conservative    3;  Mismatches   18;  Indels    0;  Gaps    0;

Qy        35 CTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAA 94
             |||| | | | | | |      ||||||  |||:  | ||::| ||||||||||||||||
Db        13 CTGCAGGTACCGGTCCGGAATTCCCGGGTCGACSCACGCGWMCGCACGTATCAAGATAAA 72

Qy        95 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 154
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        73 GAGGAAGTTGTCTTATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATAT 132

Qy       155 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAAGTATCAGTCATTACCATGAA 214
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       133 AAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAA 192

Qy       215 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 274
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       193 ACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTT 252

Qy       275 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 334
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAGAGAT 312

Qy       335 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 394
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       313 GCATTTGTATATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCA 372

Qy       395 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 454
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       373 ATATGGGGTATTGTTGGTGAGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTAT 432

Qy       455 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 514
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       433 AAAAAACTTGAAATAGGTTTTAATGGAAATCGAATTGTTGATGTTAATCTAACTAGTGAA 492

Qy       515 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 574
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       493 GGAAAGGTGAAACTGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAA 552

Qy       575 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 634
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       553 AAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAA 612

Qy       635 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 694
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       613 CATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGC 672

Qy       695 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 754
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       673 TTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAG 732

Qy       755 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 814
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       733 GAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAAACAGGTGCAT 792

Qy       815 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 874
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       793 GGAGATGTATTTAGACCATCAAGTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGA 852

Qy       875 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 934
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       853 TGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATAT 912

Qy       935 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 994
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTG 972

Qy        995 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1054
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        973 AATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAG 1032

Qy       1055 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1033 ATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAAT 1092

Qy       1115 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1174
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1093 TTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTT 1152

Qy       1175 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1234
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1153 TGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGA 1212

Qy       1235 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1294
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1213 AATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCG 1272

Qy       1295 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1354
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1273 GAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTT 1332

Qy       1355 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1414
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1333 GGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTAT 1392

Qy       1415 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1474
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1393 TATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTG 1452

Qy       1475 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1534
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1453 ACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGT 1512

Qy       1535 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1594
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1513 TTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTT 1572

Qy       1595 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTGGATATATGGCGGTA 1654
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1573 TTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTGGATATATGGCGGTA 1632

Qy       1655 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1714
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1633 TTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTT 1692

Qy       1715 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1774
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1693 GTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT 1752

Qy       1775 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1827
              |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1805
```

RESULT 10
US-10-205-219-122
; Sequence 122, Application US/10205219
; Publication No. US20030138803A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pinnock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018200
; CURRENT APPLICATION NUMBER: US/10/205,219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 122
; LENGTH: 3389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EP70-P-iso
US-10-205-219-122

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  Query Match             94.4%;  Score 1725.4;  DB 6;  Length 3389;
  Best Local Similarity   99.0%;  Pred. No. 0;
  Matches 1800;  Conservative    0;  Mismatches   11;  Indels    8;  Gaps    6;

Qy         10 CATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 69
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         46 CGTGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 105

Qy         70 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 129
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        106 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 165

Qy        130 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 189
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        166 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 225

Qy        190 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 249
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        226 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 285

Qy        250 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 309
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        286 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 345

Qy        310 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 369
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        346 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 405

Qy        370 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 429
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        406 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 465

Qy        430 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 489
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        466 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 525

Qy        490 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCC 548
              ||||||||||||||||||||||||||||||||||||||| |||||||||||||| |||||
Db        526 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCC 585

Qy        549 AGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACA 608
              ||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||| 
Db        586 AGATGTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC- 643

Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
              ||||||||||||   | |||||  ||||||||||||||||||||||||||||||||||||
Db        644 AATATCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 701

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        702 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 761

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        762 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 821

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        822 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 881
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Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        882 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 941

Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 968
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        942 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 1001

Qy        969 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1028
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1002 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1061

Qy       1029 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGG 1088
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1062 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG- 1120

Qy       1089 TGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1148
                |    ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1121 -GGTGTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1179

Qy       1149 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1208
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1180 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1239

Qy       1209 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1268
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1240 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1299

Qy       1269 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTG 1328
              ||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       1300 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAG-CTGCGGTTATTG 1358

Qy       1329 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1388
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1359 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1418

Qy       1389 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1448
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1419 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1478

Qy       1449 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1508
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1479 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1538

Qy       1509 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1568
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1539 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1598

Qy       1569 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1628
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1658

Qy       1629 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1688
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1718

Qy       1689 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1748
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1778

Qy       1749 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1808
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1838

Qy       1809 ACAGCAAAAACAAACAAAC 1827
              ||||||||||||||||||||
Db       1839 ACAGCAAAAACAAACAAAC 1857
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RESULT 11
US-10-956-157-2297
; Sequence 2297, Application US/10956157
; Publication No. US20050118625A1

; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2297
; LENGTH: 3389
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-2297

Query Match 94.4%; Score 1725.4; DB 9; Length 3389;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 1800; Conservative 0; Mismatches 11; Indels 8; Gaps 6;

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Qy         10 CATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 69
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         46 CGTGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 105

Qy         70 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 129
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        106 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 165

Qy        130 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 189
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        166 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 225

Qy        190 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 249
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        226 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 285

Qy        250 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 309
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        286 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 345

Qy        310 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 369
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        346 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 405

Qy        370 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 429
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        406 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 465

Qy        430 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 489
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        466 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 525

Qy        490 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCC 548
              |||||||||||||||||||||||||||||||||||||| |||||||||||||| |||||
Db        526 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCC 585

Qy        549 AGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACA 608
              |||||||||||||||||||||| |||||||||||||||||||||||||||||||||||||
Db        586 AGATGTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC- 643

Qy        609 AATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
              |||||||||||  | |||||  ||||||||||||||||||||||||||||||||||||
Db        644 AATATCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 701

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        702 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 761

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        762 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 821

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
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Db        822 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 881

Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908

Db        882 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 941

Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 968

Db        942 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 1001

Qy        969 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1028

Db       1002 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1061

Qy       1029 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGG 1088

Db       1062 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG- 1120

Qy       1089 TGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1148

Db       1121 -GGTGTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1179

Qy       1149 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1208

Db       1180 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1239

Qy       1209 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1268

Db       1240 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1299

Qy       1269 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAAATGGTTCATGGAGCCTGCGGTTATTG 1328

Db       1300 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAG-CTGCGGTTATTG 1358

Qy       1329 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1388

Db       1359 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1418

Qy       1389 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1448

Db       1419 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1478

Qy       1449 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1508

Db       1479 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1538

Qy       1509 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1568

Db       1539 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1598

Qy       1569 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1628

Db       1599 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1658

Qy       1629 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1688

Db       1659 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1718

Qy       1689 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1748

Db       1719 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1778

Qy       1749 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1808

Db       1779 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1838

Qy       1809 ACAGCAAAAACAAACAAAC 1827

Db       1839 ACAGCAAAAACAAACAAAC 1857

RESULT 12

US-10-287-436A-335
; Sequence 335, Application US/10287436A
; Publication No. US20050202421A1
; GENERAL INFORMATION:
;  APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
;  TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
;  TITLE OF INVENTION:  RHEUMATOID ARTHRITIS
;  FILE REFERENCE: 10872.514696
;  CURRENT APPLICATION NUMBER: US/10/287,436A
;  CURRENT FILING DATE:  2002-10-31
;  PRIOR APPLICATION NUMBER: US 60/336,220
;  PRIOR FILING DATE: 2001-10-31
;  NUMBER OF SEQ ID NOS: 1446
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 335
;   LENGTH: 3389
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-287-436A-335

  Query Match             94.4%;  Score 1725.4;  DB 9;  Length 3389;
  Best Local Similarity   99.0%;  Pred. No. 0;
  Matches 1800;  Conservative    0;  Mismatches   11;  Indels    8;  Gaps    6;

Qy         10 CATGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 69

Db         46 CGTGGCGGCCGCCGCGCTGTGGCTGCTGCTGCTGCTGCTGCCCCGGACCCGGGCGGACGA 105

Qy         70 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 129

Db        106 GCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTGTTGGGCC 165

Qy        130 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 189

Db        166 CTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAA 225

Qy        190 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 249

Db        226 AAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTGGA 285

Qy        250 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 309

Db        286 ATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAAT 345

Qy        310 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 369

Db        346 TGATTTAGATAAAGAAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTACTGGTA 405

Qy        370 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 429

Db        406 CCAGATGTACATAGATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGATGAAAATGG 465

Qy        430 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 489

Db        466 AGAAGATTACTATCTTTGGACCTATAAAAAACTTGAAATAGGTTTTAATGGAAATCGAAT 525

Qy        490 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACT-GGTTCCAAATACTAAAATCC 548

Db        526 TGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGGTTCCAAATACTATAATCC 585

Qy        549 AGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACA 608

Db        586 AGATGTCATATTCAGTAAAATGG-AAAAGTCAGATGTGAAATTTGAAGATCGATTTGAC- 643

Qy        609 AATATCTTGATCCGTCCTTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668

Db        644 AATATCTTGATC--GTCCTTTTTTCACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 701

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728

Db        702 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 761

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
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                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        762 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 821

Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        822 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 881

Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        882 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 941

Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 968
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        942 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATAT 1001

Qy        969 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1028
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1002 TTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGAC 1061

Qy       1029 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGG 1088
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1062 AAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATG- 1120

Qy       1089 TGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1148
                |  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1121 -GGTGTGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCA 1179

Qy       1149 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1208
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1180 TTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAA 1239

Qy       1209 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1268
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1240 ATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTG 1299

Qy       1269 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTG 1328
                ||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       1300 TCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAG-CTGCGGTTATTG 1358

Qy       1329 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1388
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1359 TTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCA 1418

Qy       1389 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1448
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1419 CGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTA 1478

Qy       1449 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1508
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1479 TCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAG 1538

Qy       1509 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1568
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1539 AAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTT 1598

Qy       1569 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1628
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACAT 1658

Qy       1629 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1688
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 CATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGA 1718

Qy       1689 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1748
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 TTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACT 1778

Qy       1749 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1808
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGC 1838

Qy       1809 ACAGCAAAAACAAACAAAC 1827
                |||||||||||||||||||
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Db       1839 ACAGCAAAAACAAACAAAC 1857


RESULT 13
US-10-062-674-1697
; Sequence 1697, Application US/10062674
; Publication No. US20040005559A1
; GENERAL INFORMATION:
;  APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
;  TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
;  FILE REFERENCE: PA-0026-1 CIP
;  CURRENT APPLICATION NUMBER: US/10/062,674
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: US 09/625,102
;  PRIOR FILING DATE: 2000-07-24
;  NUMBER OF SEQ ID NOS: 2217
;  SOFTWARE: PERL Program
; SEQ ID NO 1697
;   LENGTH: 6197
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. US20040005559A1 233927.4
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1) ... (6197)
;   OTHER INFORMATION: a, t, c, g, or other
US-10-062-674-1697

  Query Match             56.1%;  Score 1024.6;  DB 6;  Length 6197;
  Best Local Similarity   84.7%;  Pred. No. 6.6e-243;
  Matches 1618;  Conservative    0;  Mismatches  195;  Indels   97;  Gaps   38;

Qy         15 CGGCCGCCGCGCTGTGGCTGCTG-CTGCTGCTGCTGCCCCCGGAC-CCGGGCGGACGAGCA 72
              |||||||||||||||||||||||  |||||||||||||||||||| ||||||||||||||||
Db          1 CGGCCGCCGCGCTGTGGCTGCTGTTTGCTGCTGCTGCCCCCGGACTCCGGGCGGACGAGCA 60

Qy         73 CGAACACACGTATCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACT--GTTGGGCCC 130
              ||||||||||| |||||||||||||||||||||||||||||||||||    | || ||
Db         61 CGAACACACGTGTCAAGATAAAGAGGAAGTTGTCTTATGGATGAATACTTGTTGGGCCCT 120

Qy        131 TACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTC---A 187
              || | | |||||  |||| | |||||||||||||||||||||||||||||||||||   |
Db        121 AACAAAATTCGTCAGAAAACTTTTAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAA 180

Qy        188 AAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTG 247
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 AAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAGCACTTCAAGGGGTTGAATTG 240

Qy        248 GAATTTAGTGGTCTGGATATTAAATTTAAAGATG-ATGTGATGCCAGCCACTT-ACTGTG 305
              |||||||||||||||||||||||||||||||| || |||||||||||||||| ||||||
Db        241 GAATTTAGTGGTCTGGATATTAAATTTAAAGCTGCATGTGATGCCAGCCACTTCACTGTG 300

Qy        306 AAATTG-ATTTAGATAAAG-AAAAGAGAGATGCATTTGTATATGCCATAAAAAATCATTA 363
              || | | ||| |||||||| |||||||||||||||||||||||||||||| |||||||||
Db        301 AACTCGCATTCAGATAAAGCAAAAGAGAGATGCATTTGTATATGCCATAACAAATCATTA 360

Qy        364 CTGGTACCAG-ATGTACATAG--ATGATTTACCAATATGGGGTATTGTTGGTGAGGCTGA 420
              ||||||||| |||||||||      ||  || ||||||||||||||||||||||||||||
Db        361 CTGGTACCAGCATGTACATAGCATGATTTACCCNATATGGGGTATTGTTGGTGAGGCTGA 420

Qy        421 TGAAAATG-GAGAAGATTACTATC--TTTGGACCTATAAAAAACTTGAAAT--AGGTTTT 475
              |||||||| |||||||||||||||  || |  | |||||||||||||||||  | |||
Db        421 TGAAAATGCGAGAAGATTACTATCTGTTGGACCGTATAAAAAACTTGAAATTAGGTTTTA 480

Qy        476 AATGGAAATCGAA--------TTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAAAC 527
              | |||||||||          |  | || |  | |||  |   ||   | ||  ||
Db        481 ACTGGAAATCGGAAGTTGTTGTATGTTATATCTAACTACGTGAAGAGAAAGAGTGAAACA 540

Qy        528 TGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGA---TG 584
              |||||||||||||||||||||||||||||||||||||||||  | |||      |   ||
Db        541 TGGTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAAGTGGAAACAAGTCAGATTG 600
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Qy       585 TGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCC-TTTTTTCAACATCGGATT 643
Db       601 TGAAATTTGAAGATCGATTTGACAAATATCTTGATCCGTCCGCTTTTTCAACATCGGATT 660

Qy       644 CATTGGTTTTCAA-----TTTTCAACTCCTTCATGAT-GGTGATCTTCTTGGT-GGGCTT 696
Db       661 CATTGGTTTCTCACATGTTGTCAACTCCGTTCATGATGGGTGATCTTCTTGGTGGGGCTT 720

Qy       697 AGTTTCAATGATTTTAATGAGAACA---TTAAGAAAAGATTATGCTCGGTACAGTAAAGA 753
Db       721 AGTTTCAATAGATTTTAATAGAGAACATTAAGAAAAAGATTATGCTCGGTACAGTAAAGA 780

Qy       754 GGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATG---GATGGAAACAGGT 810
Db       781 GGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGTGATGGGAAAACAGGT 840

Qy       811 GCAT--GGAGATGTATTTAGACCAT-CAAGTCACCCACTGATATTTTCCTCTCTGATTGG 867
Db       841 GCATTGGAAGATGTATTTAGACCATCCAAGTCACCCACTGATATTTTCCTCTCTGATTGG 900

Qy       868 TTCTGGATGTCAGATATTTGCTGTGTCTCTCATC-GTTATTATTGTTGCAATGATAGAAG 926
Db       901 TTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGGTAATAATGGTGGCAATGATAGAAG 960

Qy       927 ATTTATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATGC-TGCTACG 985
Db       961 ATTAATATACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTAAGCTTGCTACG 1020

Qy       986 TCT-CCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATG 1044
Db      1021 TCTCCCAGTGAATGGTTATTTTGGAGGAAGCGATACTAAAAGGAGGAAAGGGAGAATTGG 1080

Qy      1045 GAT--------AAAGCAGATGTTTATTGGGGCATTCC------TTATCCCAGCTATGGTG 1090
Db      1081 GCTATAAAGCCAGAATGGTTTAATTTGGGGGCATTCCCTTTAATTTCCCAAGCTAATTGG 1140

Qy      1091 TGTGGCACTGCCTTC-----------TTCATCAATTTCATAGCCATTTATTACCATGCTT 1139
Db      1141 GTTGTTGTGGCCAACTTGCCCTTTCTTTCATCAATTTCATAGCCATTTATTACCATGCTT 1200

Qy      1140 CAAGAGCCATTCCTTTTGGAAC-AATGGTGGCCGTTTGTTGCATCTG-TTTTTTTGTTAT 1197
Db      1201 CAAGAGCCATTCCTTTTGGGACAAATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTAT 1260

Qy      1198 TCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTT 1257
Db      1261 TCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTT 1320

Qy      1258 TCCTTGTCGTGTCAATGCTGTGCCTC-GTCCTATACCGGAGA----AAAAATGGTTCATG 1312
Db      1321 TCCTTGTCGTGTCAATGCTGTGCCTCTGTCCTATACCGGAGAACACACAGATGGTACATG 1380

Qy      1313 GAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAA 1372
Db      1381 GAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAA 1440

Qy      1373 ATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATG 1432
Db      1441 ATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATG 1500

Qy      1433 ATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATAT 1492
Db      1501 ATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATAT 1560

Qy      1493 TTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCA 1552
Db      1561 TTTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGGATCA 1620

Qy      1553 ACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTT-------CAAAACAAA 1605
Db      1621 ACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATGTTTTTCGAAAACAAGAGATG 1680

Qy      1606 GATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGC--GGTATTTAGCACA 1663
Db      1681 TATGTGCTTATTGTCAAACATCTATTTTACATTTGGATATATGGCGTGTATATTAGCACA 1740

Qy      1664 GCCTTGGGGATAATGTGTG----GAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCG 1719
Db      1741 GTCCTTGGGGATATATGTGTGGAGCGATATGGTTACATGGGGAACAAGTGCCTTTGTCCG 1800

Qy      1720 AAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTT-GGAT 1778
Db      1801 AAAAATCTATACTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGGAT 1860

Qy      1779 CAATTTCTTTTTCATAGGGGT-GGAACTTGCACAGCAAAAACAAACAAAC 1827
Db      1861 CAATTTCTTTTTCATAGGGGTGGGAACTTGCACAGCAAAAACAAACAAAC 1910
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RESULT 14
US-10-264-237-1414
; Sequence 1414, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
;  APPLICANT: Birse et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA131P1
;  CURRENT APPLICATION NUMBER: US/10/264,237
;  CURRENT FILING DATE:  2002-10-04
;  PRIOR APPLICATION NUMBER: PCT/US01/16450
;  PRIOR FILING DATE: 2001-05-18
;  PRIOR APPLICATION NUMBER: US 60/205,515
;  PRIOR FILING DATE: 2000-05-19
;  NUMBER OF SEQ ID NOS: 2876
;  SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 1414
;   LENGTH: 1070
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (34)..(34)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (40)..(40)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (525)..(525)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (529)..(529)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (557)..(557)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (837)..(837)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (912)..(912)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (956)..(956)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (965)..(966)
;   OTHER INFORMATION: n equals a,t,g, or c
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;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1025)..(1025)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1047)..(1047)
;   OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-1414

  Query Match            39.8%;  Score 726.4;  DB 6;  Length 1070;
  Best Local Similarity  92.7%;  Pred. No. 2.5e-169;
  Matches  813;  Conservative    0;  Mismatches   11;  Indels   53;  Gaps    3;

Qy       1004 TTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATT 1063
             ||||||||   ||| ||||  ||||||||||||||||| ||||||||||||||||||||||
Db         20 TTTGGAGGCTCTCTNTATGANAGACAAGGAGGAAGGACATGGATAAAGCAGATGTTTATT 79

Qy       1064 GGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCC 1123
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         80 GGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCC 139

Qy       1124 ATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATC 1183
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 ATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATC 199

Qy       1184 TGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCA 1243
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 TGTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCA 259

Qy       1244 GGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAA 1303
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 GGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAA 319

Qy       1304 TGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATC 1363
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 TGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATC 379

Qy       1364 TTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTAT 1423
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        380 TTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTAT 439

Qy       1424 GGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTG 1483
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        440 GGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTG 499

Qy       1484 TGCACATATTTTCTACTAAATGCAGAA--GATTACCGGT---------------------- 1520
             |||||||||||||||||||||||| |   |||||||||
Db        500 TGCACATATTTTCTACTAAATGCAGNAAGNATTACCGGTGTGCCATTCATTCAAAAGNAG 559

Qy       1521 ----------------------------GGCAATGGACAAGTTTTCTCTCTGCTGCATC 1551
                                         |||||||||||||||||||||||||||||||
Db        560 ATTTATCTTCTTTCCCCCTCCCGCCACCAGGCAATGGACAAGTTTTCTCTCTGCTGCATC 619

Qy       1552 AACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTA 1611
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        620 AACTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTA 679

Qy       1612 TGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTT-GG 1670
             |||||||||||||||||||||||||||||||||||||||||||||||| |||||||| ||
Db        680 TGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGTACAGCCTTGGG 739

Qy       1671 GGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATA 1730
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        740 GGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATA 799

Qy       1731 CTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGGAACTTTGGATCAATTTCTTTTT 1790
             |||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db        800 CTAATGTGAAAATTGACTAGAGACCCAAGAAAACCTGNAACTTTGGATCAATTTCTTTTT 859

Qy       1791 CATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 1827
             |||||||||||||||||||||||||||||||||||||
Db        860 CATAGGGGTGGAACTTGCACAGCAAAAACAAACAAAC 896
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RESULT 15
US-11-097-143-22277
; Sequence 22277, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
;  APPLICANT: Venter, J. Craig
;  APPLICANT:  et al.
;  TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
;  TITLE OF INVENTION:  ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
;  TITLE OF INVENTION:  DROSOPHILA GENES.
;  FILE REFERENCE: CL000728
;  CURRENT APPLICATION NUMBER: US/11/097,143
;  CURRENT FILING DATE:  2005-04-04
;  PRIOR APPLICATION NUMBER: 60/157,832
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: 60/160,191
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: 60/161,932
;  PRIOR FILING DATE: 1999-10-28
;  PRIOR APPLICATION NUMBER: 60/164,769
;  PRIOR FILING DATE: 1999-11-12
;  PRIOR APPLICATION NUMBER: 60/173,383
;  PRIOR FILING DATE: 1999-12-28
;  PRIOR APPLICATION NUMBER: 60/175,693
;  PRIOR FILING DATE: 2000-01-12
;  PRIOR APPLICATION NUMBER: 60/184,831
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: 60/191,637
;  PRIOR FILING DATE: 2000-03-23
;  NUMBER OF SEQ ID NOS: 43008
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22277
;   LENGTH: 1863
;   TYPE: DNA
;   ORGANISM: DROSOPHILA
US-11-097-143-22277

  Query Match            35.4%;  Score 646;  DB 10;  Length 1863;
  Best Local Similarity  62.7%;  Pred. No. 3.1e-149;
  Matches 1067;  Conservative    0;  Mismatches  560;  Indels   75;  Gaps    1;

Qy         48 TGCCCCGGACCCGGGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGTCT 107
              || | |   ||| ||| || ||||||| | |||| |||  | ||    ||||| || ||
Db        236 TGTCGCTCTCCCAGGCAGATGAGCACAATCACAAGTACAATGACCGGGAGGAGGTGGTAC 295

Qy        108 TATGGATGAATACTGTTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCAC 167
              | |||||||| || || || || ||||| ||||| || || || ||    |||||| || |
Db        296 TGTGGATGAACACGGTGGGCCCGTACCACAATCGGCAGGAGACGTACGCGTACTTCTCTC 355

Qy        168 TTCCATTCTGTGTGGGGTCAAAAAAAAGTATCAGTCATTACCATGAAACTCTGGGAGAAG 227
              | || || ||    ||    ||        ||    || ||||| || || ||| | || |
Db        356 TCCCCTTTTGCAGTGGCCAGAAGTCCTCGATATCGCACTACCACGAGACGCTGAGCGAGG 415

Qy        228 CACTTCAAGGGGTTGAATTGGAATTTAGTGGTCTGGATATTAAATTTAAAGATGATGTGA 287
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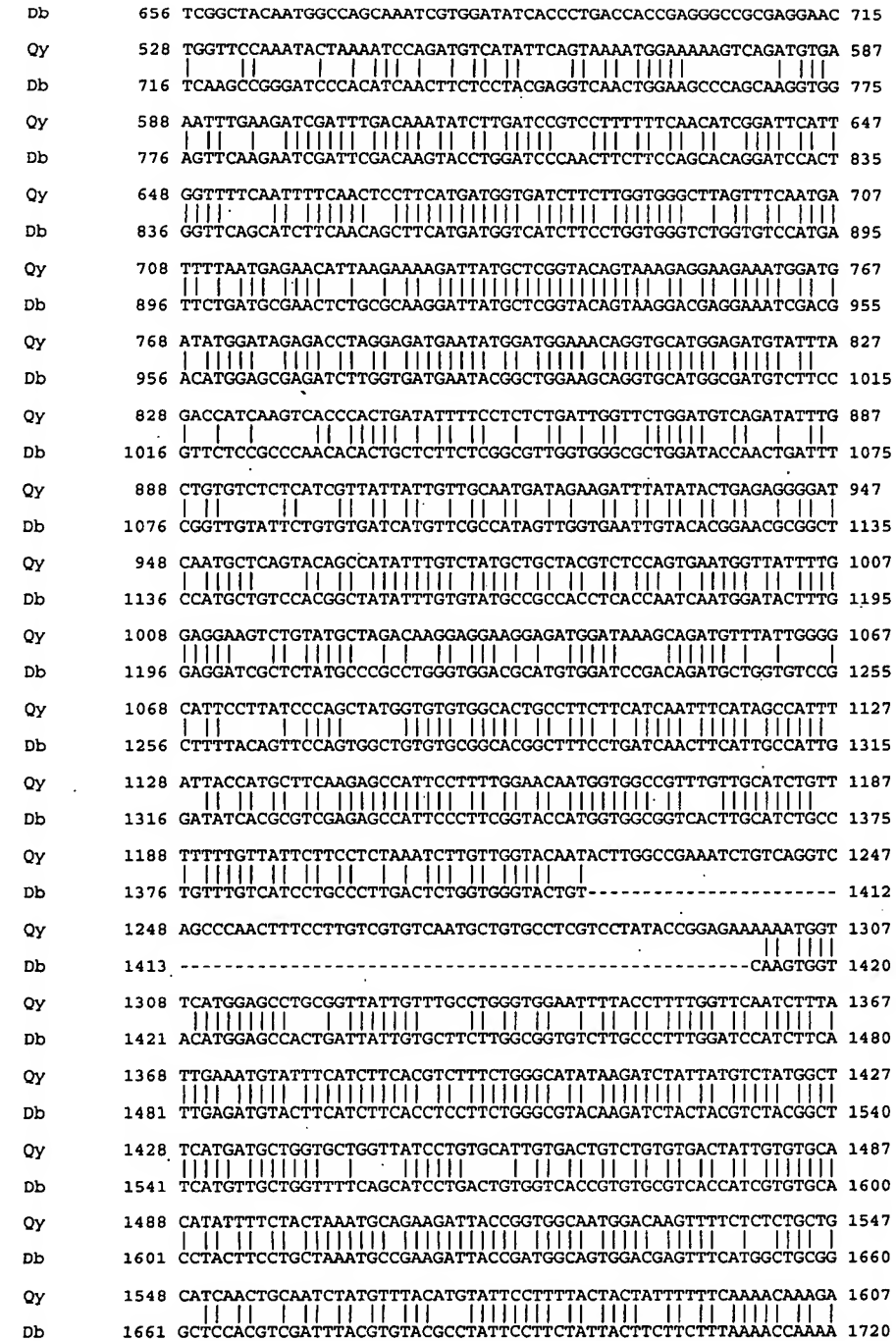

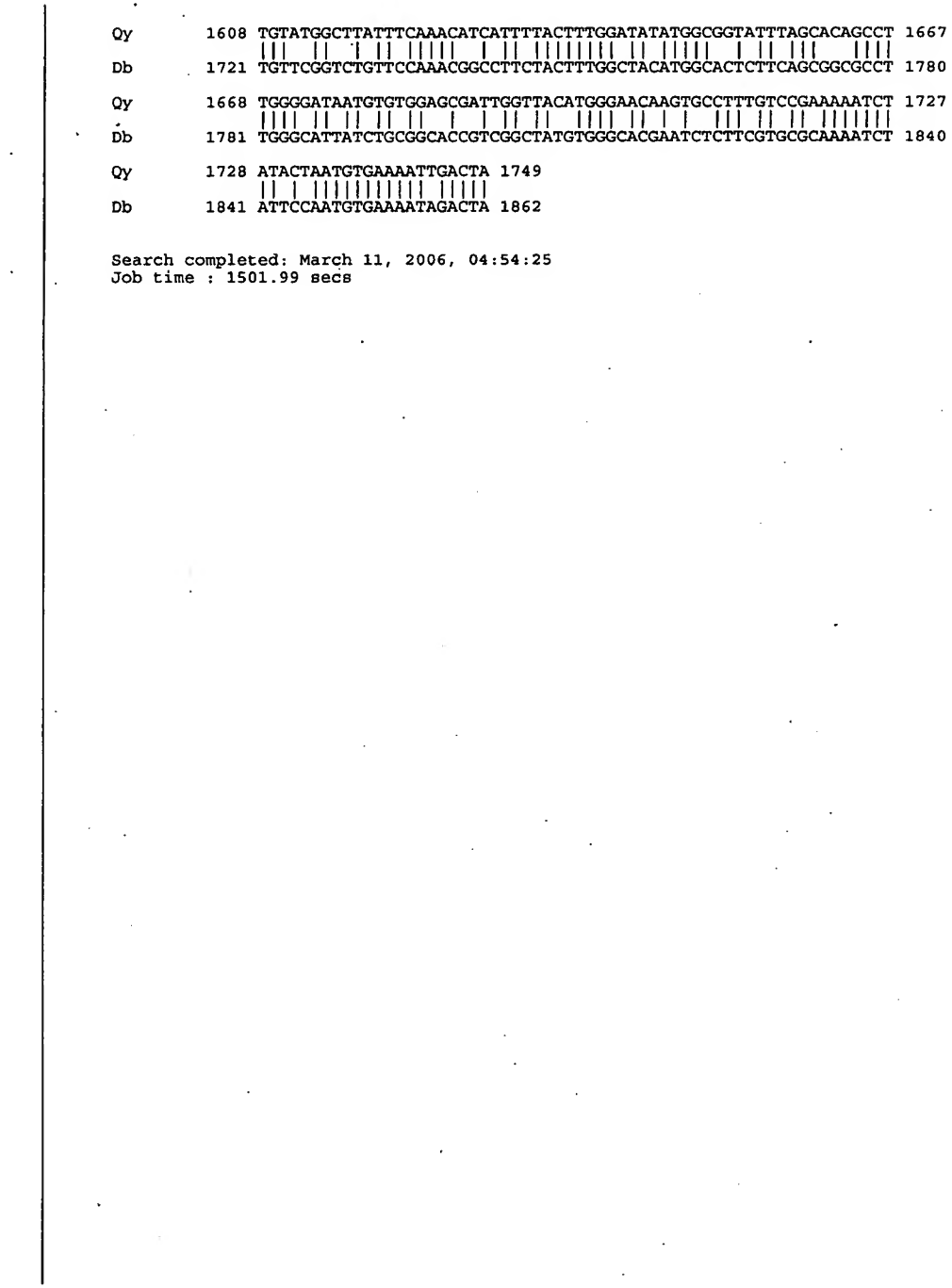

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Job time : 1501.99 secs

GenCore version 5.1.7

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Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 15346750

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Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	482.8	26.4	570	12	US-11-128-061-1325	Sequence 1325, Ap
	2	482.8	26.4	570	12	US-11-128-061-4967	Sequence 4967, Ap
	3	482.8	26.4	570	12	US-11-128-049-1325	Sequence 1325, Ap
	4	482.8	26.4	570	12	US-11-128-049-4967	Sequence 4967, Ap
	5	227.6	12.5	2391	12	US-11-000-688-1309	Sequence 1309, Ap
	6	226	12.4	1878	9	US-11-072-512-1699	Sequence 1699, Ap
	7	190.4	10.4	1094	9	US-11-240-769-50	Sequence 50, Appl
	8	172	9.4	1821	9	US-11-240-769-49	Sequence 49, Appl
	9	169.4	9.3	1816	9	US-11-240-769-21	Sequence 21, Appl
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ALIGNMENTS

RESULT 1
US-11-128-061-1325
; Sequence 1325, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1325
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-061-1325

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy       1043 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1102
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RESULT 2
US-11-128-061-4967
; Sequence 4967, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-061-4967

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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RESULT 3
US-11-128-049-1325
; Sequence 1325, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; TITLE OF INVENTION: MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1325
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-1325

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy       1283 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGA 1342
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Db        421 GGTCCTATCCCAGACAAAATATGGTTTATGGATCCTGCATTTATCGTTCGCCTGCTAGCA 480

Qy       1343 ATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCA 1402
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Db        541 TACAAGACCCACTTATGTCTATGGCTTTAT 570
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RESULT 4
US-11-128-049-4967
; Sequence 4967, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; TITLE OF INVENTION: MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-4967

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

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Qy        863 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAATGATA 922
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Db          1 ATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATTGTTATTATTGTTGCCATGATA 60

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Qy       1043 TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCC 1102
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Qy       1103 TTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACA 1162
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Db        241 TTCTTCATCAACTTTATAGCCATTTATTATCATGCCTCTAGAGCCATTCCTTTTGGAACA 300

Qy       1163 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 1222
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 ATGGTGGCCGTTTGTTGCATCTGTTTTTTTTGTTATTCTTCCTCTAAATCTTGTTGGTACA 360

Qy       1223 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGCTGTGCCT 1282
             |||||||||||||||||||||||||||||||| || ||||||||||||||||||||||||
Db        361 ATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTCCCCTGTCGTGTCAATGCTGTGCCT 420

Qy       1283 CGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCTGGGTGGA 1342
              |||||| || || |||| |||||| ||||| |||||  |||| ||| |||||   | |
Db        421 GGTCCTATCCCAGACAAAATATGGTTTATGGATCCTGCATTTATCGTTCGCCTGCTAGCA 480

Qy       1343 ATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCA 1402
              |||||||| ||||| || ||||| |||||||   | |||||| | || ||||||||||||
Db        481 ATTTTACCATTTGGCTCCATCTTCATTGAAAATGACTTCATCGTAACATCTTTCTGGGCA 540

Qy       1403 TATAAGATCTA-TTATGTCTATGGCTTCAT 1431
              || |||| | | ||||||||||||||| ||
Db        541 TACAAGACCCACTTATGTCTATGGCTTTAT 570
```

RESULT 5
US-11-000-688-1309
; Sequence 1309, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1309
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(2391)
; OTHER INFORMATION: transmembrane 9 superfamily member 2(TM9SF2)
; OTHER INFORMATION: gene.
US-11-000-688-1309

Query Match 12.5%; Score 227.6; DB 12; Length 2391;
Best Local Similarity 51.9%; Pred. No. 1.2e-42;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;

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Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
              | ||| ||     ||| |  |||    | ||||| ||||||   ||| | || |||
Db        996 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 1055

Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
              |  | || ||  |||||||    || | ||  | |||||| |  |  | ||| |   |
Db       1056 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 1115

Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
              |||||  |||| | || | | |  |||    | ||| |||    |               |
```

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Db       1116 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG----------G 1163
Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
Db       1164 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 1223
Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908
Db       1224 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 1283
Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 965
Db       1284 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1343
Qy        966 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1025
Db       1344 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1403
Qy       1026 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1085
Db       1404 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1463
Qy       1086 TGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAG 1145
Db       1464 TTGTATTTGCTGACTTCTTTATAATGAATCTGATCCTCTGGGGAGAAGGATCTTCAGCAG 1523
Qy       1146 CCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTC 1205
Db       1524 CTATTCCTTTTGGGACACTGGTTGCCATATTGGCCCTTTGGTTCTGCATATCTGTGCCTC 1583
Qy       1206 TAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTC 1265
Db       1584 TGACGTTTATTGGTGCATACTTTGGTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1640
Qy       1266 GTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTA 1325
Db       1641 GAACCAATCAGATTCCACGTCAGATTCCTGAACAGTCGTTCTACACGAAGCCCTTGCCTG 1700
Qy       1326 TTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCT 1385
Db       1701 GTATTATCATGGGAGGGATTTTGCCCTTTGGCTGCATCTTTATACAACTTTTCTTCATTC 1760
Qy       1386 TCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGG 1445
Db       1761 TGAATAGTATTTGGTCACACCAGATGTATTACATGTTTGGCTTCCTATTTCTGGTGTTTA 1820
Qy       1446 TTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATG 1505
Db       1821 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTCCACCTATGTG 1880
Qy       1506 CAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATG 1565
Db       1881 CAGAGGATTATCATTGGCAATGGCGTTCATTCCTTACGAGTGGCTTTACTGCAGTTTATT 1940
Qy       1566 TTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAA 1625
Db       1941 TCTTAATCTATGCAGTACACTACTTCTTTTCAAAACTGCAGATCACGGGAACAGCAAGCA 2000
Qy       1626 CATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAG 1685
Db       2001 CAATTCTGTACTTTGGTTATACCATGATAATGGTTTTGATCTTCTTTCTTTTTACAGGAA 2060
Qy       1686 CGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTG 1745
Db       2061 CAATTGGCTTCTTTGCATGCTTTTGGTTTGTTACCAAAATATACAGTGTGGTGAAGGTTG 2120
Qy       1746 ACTAGAGA 1753
Db       2121 ACTGAAGA 2128
```

RESULT 6
US-11-072-512-1699

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; Sequence 1699, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
;  APPLICANT: ISOGAI, TAKAO
;  APPLICANT:  SUGIYAMA, TOMOYASU
;  APPLICANT:  OTSUKI, TETSUJI
;  APPLICANT:  WAKAMATSU, AI
;  APPLICANT:  SATO, HIROYUKI
;  APPLICANT:  ISHII, SHIZUKO
;  APPLICANT:  YAMAMOTO, JUN-ICHI
;  APPLICANT:  ISONO, YUUKO
;  APPLICANT:  HIO, YURI
;  APPLICANT:  OTSUKA, KAORU
;  APPLICANT:  NAGAI, KEIICHI
;  APPLICANT:  IRIE, RYOTARO
;  APPLICANT:  TAMECHIKA, ICHIRO
;  APPLICANT:  SEKI, NAOHIKO
;  APPLICANT:  YOSHIKAWA, TSUTOMU
;  APPLICANT:  OTSUKA, MOTOYUKI
;  APPLICANT:  NAGAHARI, KENJI
;  APPLICANT:  MASUHO, YASUHIKO
;  TITLE OF INVENTION: Novel full length cDNA
;  FILE REFERENCE: 084335-0191
;  CURRENT APPLICATION NUMBER: US/11/072,512
;  CURRENT FILING DATE:  2005-03-07
;  PRIOR APPLICATION NUMBER: US 60/350,978
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: JP 2001-379298
;  PRIOR FILING DATE: 2001-11-05
;  NUMBER OF SEQ ID NOS: 4096
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
;   LENGTH: 1878
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-072-512-1699
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Query Match 12.4%; Score 226; DB 9; Length 1878;
Best Local Similarity 51.8%; Pred. No. 2.6e-42;
Matches 595; Conservative 0; Mismatches 535; Indels 18; Gaps 3;

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Qy        609 AATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCT 668
Db        693 ACTATATTCTGGAGTCTATGCCTCATACCCACATTCAGTGGTTTAGCATTATGAATTCCC 752
Qy        669 TCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
Db        753 TGGTCATTGTTCTCTTCTTATCTGGAATGGTAGCTATGATTATGTTACGGACACTGCACA 812
Qy        729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
Db        813 AAGATATTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCCAG----------G 860
Qy        789 ATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
Db        861 AAGAATTTGGCTGGAAACTTGTTCATGGTGATATATTCCGTCCTCCAAGAAAAGGGATGC 920
Qy        849 TATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTA 908
Db        921 TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAATTATGACCTTTGTGACTCTAT 980
Qy        909 TTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC---AGCCA 965
Db        981 TTTTCGCTTGCCTGGGATTTTTGTCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1040
Qy        966 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1025
Db       1041 TGGTCCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTCTATAAGT 1100
Qy       1026 GACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTA 1085
Db       1101 CCTTTGGAGGTGAGAAGTGGAAAACAAATGTTTTATTAACATCATTTCTTTGTCCTGGGA 1160
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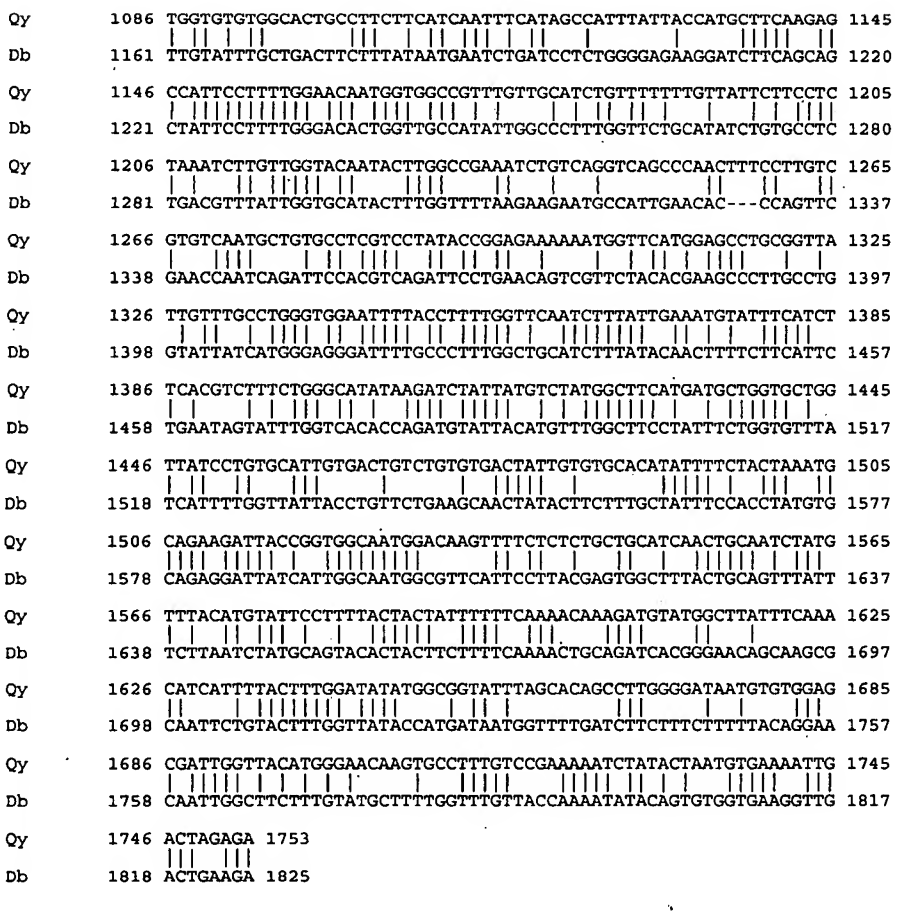
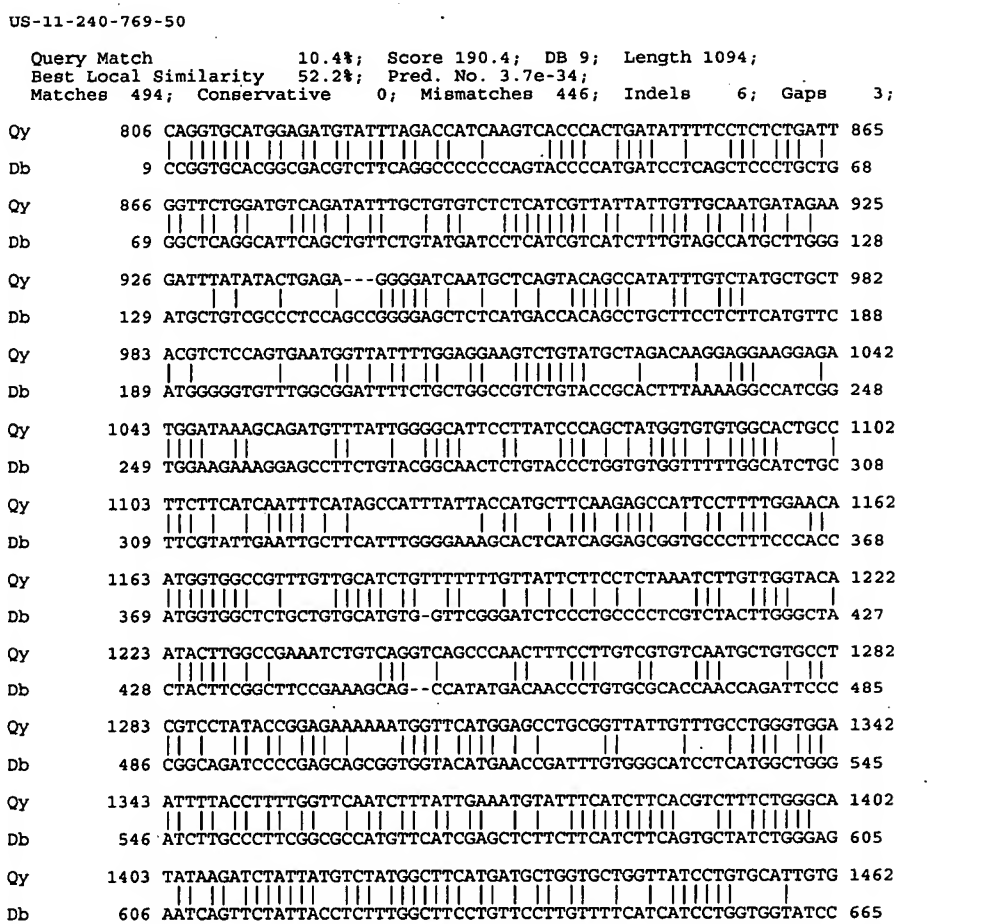


RESULT 7
US-11-240-769-50
; Sequence 50, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: PZ037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 50
; LENGTH: 1094
; TYPE: DNA
; ORGANISM: Homo sapiens

US-11-240-769-50

Query Match 10.4%; Score 190.4; DB 9; Length 1094;
Best Local Similarity 52.2%; Pred. No. 3.7e-34;
Matches 494; Conservative 0; Mismatches 446; Indels 6; Gaps 3;



RESULT 8
US-11-240-769-49

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; Sequence 49, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet et al.
;  TITLE OF INVENTION: 33 Human Secreted Proteins
;  FILE REFERENCE: PZ037P1C2
;  CURRENT APPLICATION NUMBER: US/11/240,769
;  CURRENT FILING DATE:  2005-10-03
;  PRIOR APPLICATION NUMBER: 09/997,131
;  PRIOR FILING DATE: 2001-11-30
;  PRIOR APPLICATION NUMBER: 09/628,508
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: PCT/US00/03062
;  PRIOR FILING DATE: 2000-02-08
;  PRIOR APPLICATION NUMBER: 60/119,468
;  PRIOR FILING DATE: 1999-02-10
;  NUMBER OF SEQ ID NOS: 173
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
;   LENGTH: 1821
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-11-240-769-49

  Query Match             9.4%;  Score 172;  DB 9;  Length 1821;
  Best Local Similarity   52.7%;  Pred. No. 8.5e-30;
  Matches  519;  Conservative    0;  Mismatches  445;  Indels   20;  Gaps    6;

Qy        620 CCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATGGTG 679
              | | || |   | |    | ||| || |||||||| ||  | |||||| |   |  ||||
Db        537 CTGACCATGAGTGACGTCCAGATCCACTGGTTTTCTATCATTAACTCCGTTGTTGTGGTC 596

Qy        680 ATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTATGCT 739
              ||||| ||   ||  |  |    |||||| | ||  | ||  |  | || ||   |||
Db        597 TTCTTCCTGTCAGGTATCCTGAGCATGATTATCATTCGGACCCTCCGGAAGGACATTGCC 656

Qy        740 CGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGA 799
                ||||  || ||||| || || ||            ||||       || || | |||
Db        657 AACTACAACAAGGAGGATGACATTGA-----------AGACACCATGGAGGAGTCTGGG 704

Qy        800 TGGAAACAGGTGCATGGAGATGTATTTA-GACCATCAAGTCACCCACTGATATTTTCCTC 858
              |||||   |||||| || || || | | ||  |     ||||  ||||  |   |||
Db        705 TGGAAGTTGGTGCACGGCGACGTCTTCAGGCCCCCCCCAGTACCCCATGATCCTCAGCTC 764

Qy        859 TCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTGCAAT 918
              ||| | || || ||   |||| | ||   | ||   |||||||| ||  |||| || ||
Db        765 CCTGCTGGGCTCAGGCATTCAGCTGTTCTGTATGATCCTCATCGTCATCTTTGTAGCCAT 824

Qy        919 GATAGAAGATTTATATACTGAGA---GGGGATCAATGCTCAGTACAGCCATATTTGTCTA 975
              | | |      | |   |     |  ||||| |  | | | | ||||||    ||  |||
Db        825 GCTTGGGATGCTGTCGCCCTCCAGCCGGGGAGCTCTCATGACCACAGCCTGCTTCCTCTT 884

Qy        976 TGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGG 1035
                | |      |    || | || ||  ||  |||||||    |   |  |||
Db        885 CATGTTCATGGGGGTGTTTGGCGGATTTTCTGCTGGCCGTCTGTACCGCACTTTAAAAGG 944

Qy       1036 AAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGG 1095
                | ||||  ||       ||   |  ||||   ||   ||| | | |||| | |||
Db        945 CCATCGGTGGAAGAAAGGAGCCTTCTGTACGGCAACTCTGTACCCTGGTGTGGTTTTTGG 1004

Qy       1096 CACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTT 1155
              ||    ||||  |   ||||  | |              | ||  | |||  |||  | || ||
Db       1005 CATCTGCTTCGTATTGAATTGCTTCATTTGGGGAAAGCACTCATCAGGAGCGGTGCCCTT 1064

Qy       1156 TGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATCTTGT 1215
              |   || ||||||||  |    |||| ||  ||  | | | | | |    |||  |
Db       1065 TCCCACCATGGTGGCTCTGCTGTGCATGTG-GTTCGGGATCTCCCTGCCCCTCGTCTACT 1123

Qy       1216 TGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCAATGC 1275
              |||   | |||||  | |          |||  |       ||   |||   ||  |||
Db       1124 TGGGCTACTACTTCGGCTTCCGAAAGCAG--CCATATGACAACCCTGTGCGCACCAACCA 1181

Qy       1276 TGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTTGCCT 1335
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                | || || |  || || |||  |    |||| |||| | |    ||     |  | |
Db       1182 GATTCCCCGGCAGATCCCCGAGCAGCGGTGGTACATGAACCGATTTGTGGGCATCCTCAT 1241

Qy       1336 GGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTT 1395
              || ||| || || || || ||  | || || || ||  | |  ||||||||||   || |
Db       1242 GGCTGGGATCTTGCC-TTCGGCGCCATGTTCATCGAGCTCTTCTTCATCTTCAGTGCTAT 1300

Qy       1396 CTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTG 1455
              |||||   || || |||||||  ||| |||||||  || | || ||  |  | ||||||
Db       1301 CTGGGAGAATCAGTTCTATTACCTCTTTGGCTTCCTGTTCCTTGTTTTCATCATCCTGGT 1360

Qy       1456 CATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTA 1515
                 |       |       | |  || ||       || || |  ||   ||||| |||||
Db       1361 GGTATCCTGTTCACAAATCAGCATCGTCATGGTGTACTTCCAGCTGTGTGCAGAGGATTA 1420

Qy       1516 CCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTA 1575
              ||| |||   |||| || ||| ||      | |       ||||| |||| ||      | ||
Db       1421 CCGCTGGTGGTGGAGAAATTTCCTAGTCTCCGGGGGCTCTGCATTCTACGTCCTGGTTTA 1480

Qy       1576 TTCCTTTTACTACTATTTTTTCAA 1599
              | || | |  || |   ||  |||
Db       1481 TGCCATCTTTTATTTCGTTAACAA 1504


RESULT 9
US-11-240-769-21
; Sequence 21, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet et al.
;  TITLE OF INVENTION: 33 Human Secreted Proteins
;  FILE REFERENCE: PZ037P1C2
;  CURRENT APPLICATION NUMBER: US/11/240,769
;  CURRENT FILING DATE:  2005-10-03
;  PRIOR APPLICATION NUMBER: 09/997,131
;  PRIOR FILING DATE: 2001-11-30
;  PRIOR APPLICATION NUMBER: 09/628,508
;  PRIOR FILING DATE: 2000-07-28
;  PRIOR APPLICATION NUMBER: PCT/US00/03062
;  PRIOR FILING DATE: 2000-02-08
;  PRIOR APPLICATION NUMBER: 60/119,468
;  PRIOR FILING DATE: 1999-02-10
;  NUMBER OF SEQ ID NOS: 173
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
;   LENGTH: 1816
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (504)
;   OTHER INFORMATION: n equals a,t,g, or c
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (1405)
;   OTHER INFORMATION: n equals a,t,g, or c
US-11-240-769-21

  Query Match             9.3%;  Score 169.4;  DB 9;  Length 1816;
  Best Local Similarity   52.0%;  Pred. No. 3.4e-29;
  Matches  514;  Conservative    7;  Mismatches  448;  Indels   20;  Gaps    6;

Qy        616 TGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGAT 675
              | | | | || |   | |    | ||| || |||||||| ||  | |||||| |   | |
Db        520 TTACCTGACCATGAGTGACGTCCAGATCCACTGGTTTTCTATCATTAACTCCGTTGTTGT 579

Qy        676 GGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAAGATTA 735
              |||  ||||| ||   ||  |  |    |||||| | ||  | ||  |  | || ||
Db        580 GGTCTTCTTCCTGTCAGGTATCCTGAGCATGATTATCATTCGGACCCTCCGGAAGGACAT 639

Qy        736 TGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATA 795
              |||    ||||  || ||||| || || ||                ||||     || || |
Db        640 TGCCAACTACAMCAAGGAGGATGACATTGA-----------AGACACCATGGAGGAGTC 687
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Qy        796 TGGATGGAAACAGGTGCATGGAGATGTATTTA-GACCATCAAGTCACCCACTGATATTTT 854
              ||| ||||||   |||||| || || || || | | ||  |      ||||  |||| |
Db        688 TGGGTGGAAGTTGGTGCACGGCGACGTCTTCAGGCCCCCCCCCAGTACCCCATGATCCTCA 747

Qy        855 CCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTATTGTTG 914
              ||| ||| | || || ||   |||| | ||    | ||   |||||||| ||  |||| |
Db        748 GCTCCCTGCTGGGCTCAGGCATTCAGCTGTTCTGTATGATCCTCATCGTCATCTTTGTAG 807

Qy        915 CAATGATAGAAGATTTATATACTGAGA---GGGGATCAATGCTCAGTACAGCCATATTTG 971
              | ||| | |       | ||    |     |||| |  |  | |  ||||||   ||
Db        808 CCATGCTTGGGATGCTGTCGCCCTCCAGCCGGGGAGCTCTCATGACCACAGCCTGCTTCC 867

Qy        972 TCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAG 1031
              |||       | |         ||  | || ||  ||  |||||||    |     |
Db        868 TCTTCATGTTCATGGGGGTGTTTGGCGGATTTTCTGCTGGCCGTCTGTACCGCACTTTAA 927

Qy       1032 GAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGT 1091
              |||      | ||||  ||       ||   |  ||||   ||   ||| | | |||| |
Db        928 AAGGCCATCGGTGGAAGAAAGGAGCCTTCTGTACGGCAACTCTGTACCCTGGTGTGGTTT 987

Qy       1092 GTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTC 1151
              |||||    |||| |  | |||| | |           | ||  | ||| ||||  | |
Db        988 TTGGCATCTGCTTCGTATTGAATTGCTTCATTTGGGGAAAGCACTCATCAGGAGCGGTGC 1047

Qy       1152 CTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTGTTATTCTTCCTCTAAATC 1211
              | |||   || |||||||  |    ||||| ||  ||   | | | | | |    ||
Db       1048 CCTTTCCCACCATGGTGGCTCTGCTGTGCATGTG-GTTCGGGATCTCCCTGCCCCTCGTC 1106

Qy       1212 TTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCAACTTTCCTTGTCGTGTCA 1271
              |  ||||  | ||||| | |  .      ||| |      ||  |||   ||  ||
Db       1107 TACTTGGGCTACTACTTCGGCTTCCGAAAGCAG--CCATATGACAACCCTGTGCGCACCA 1164

Qy       1272 ATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGGAGCCTGCGGTTATTGTTT 1331
              |      | || || |  || || ||| |    |||| |||| | |      ||      |
Db       1165 ACCAGATTCCCCGGCAGATCCCCGAGCAGCGGTGGTACATGAACCGATTTGTGGGCATCC 1224

Qy       1332 GCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGT 1391
              | ||| ||| || || || || ||  | || || || ||  | |  ||||||||||
Db       1225 TCATGGCTGGGATCTTGCCCTTCGGCGCCATGTTCATCGAGCTCTTCTTCATCTTCAGTG 1284

Qy       1392 CTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCC 1451
              || ||||||   || || ||||||  ||| |||||| || | ||  |   |  ||||
Db       1285 CTATCTGGGAGAATCAGTTCTATTACCTCTTTGGCTTCCTGKTCCTTGGTTTCATCATCC 1344

Qy       1452 TGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAG 1511
              ||    :      :       | |  || ||       :| || | :||   |||||| |
Db       1345 TGGTGGKATCCTGKTCACAAATCAGCATCGTCATGGTGKACTTCCARCTGTGTGCAGAGG 1404

Qy       1512 -ATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTAC 1570
               ||||||| |||   |||| || ||: ||    | |      ||||| ||:| ||
Db       1405 NATTACCGYTGGTGGTGGAGAAATTYCCTAGTCTCCGGGGGCTCTGCATTCWACGTCCTG 1464

Qy       1571 ATGTATTCCTTTTACTACTATTTTTTCAA 1599
              | ||| || | |  :| |   ||  |||
Db       1465 GTTTATGCCATCTTTWATTTCGTTAACAA 1493


RESULT 10
US-09-925-065A-724812/c
; Sequence 724812, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
;  APPLICANT: Wang, David G.
;  TITLE OF INVENTION: Identification and Mapping of Single
;  TITLE OF INVENTION:  Nucleotide Polymorphisms in the Human Genome
;  FILE REFERENCE: 108827.135
;  CURRENT APPLICATION NUMBER: US/09/925,065A
;  CURRENT FILING DATE:  2001-08-08
;  PRIOR APPLICATION NUMBER: US 60/243,096
;  PRIOR FILING DATE: 2000-10-24
;  PRIOR APPLICATION NUMBER: US 60/252,147
;  PRIOR FILING DATE: 2000-11-20
;  PRIOR APPLICATION NUMBER: US 60/250,092
;  PRIOR FILING DATE: 2000-11-30
;  PRIOR APPLICATION NUMBER: US 60/261,766
;  PRIOR FILING DATE: 2001-01-16
;  PRIOR APPLICATION NUMBER: US 60/289,846
;  PRIOR FILING DATE: 2001-05-09
;  NUMBER OF SEQ ID NOS: 957086
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 724812
;   LENGTH: 1251
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-065A-724812

  Query Match             7.6%;  Score 138;  DB 6;  Length 1251;
  Best Local Similarity   86.0%;  Pred. No. 5.5e-22;
  Matches  153;  Conservative    0;  Mismatches   25;  Indels    0;  Gaps    0;

Qy        991 AGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAA 1050
              | | |||  |||| ||  |          || | ||          ||||||||||||||||||
Db        750 ACTAAATAATTATATTAAACTTTCATAGTTTCCTTTCTTTTCAGGAAGGAGATGGATAAA 691

Qy       1051 GCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCAT 1110
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        690 GCAGATGTTTATTGGGGCATTCCTTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCAT 631

Qy       1111 CAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTG 1168
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        630 CAATTTCATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTG 573


RESULT 11
US-10-932-182A-478
; Sequence 478, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAO, YOSHIHIRO
;  APPLICANT:  NAKAMURA, NORIHISA
;  APPLICANT:  KODAMA, YUKIKO
;  APPLICANT:  FUJIMURA, TOMOKO
;  APPLICANT:  ASHIKARI, TOSHIHIKO
;  TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
;  FILE REFERENCE: 030685-043
;  CURRENT APPLICATION NUMBER: US/10/932,182A
;  CURRENT FILING DATE:  2004-09-02
;  NUMBER OF SEQ ID NOS: 197023
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
;   LENGTH: 2019
;   TYPE: DNA
;   ORGANISM: Saccharomyces pastorianus
US-10-932-182A-478

  Query Match             6.8%;  Score 124.4;  DB 7;  Length 2019;
  Best Local Similarity   46.4%;  Pred. No. 9.5e-19;
  Matches  567;  Conservative    0;  Mismatches  631;  Indels   24;  Gaps    4;

Qy        530 GTTCCAAATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAA 589
              | |  | ||| | |  |  | |  | || || || ||||  |      || |||
Db        817 GATAAAGATAATGACGTGTATTTTACCTACTCCGTCAAATTCATTGCTTCTGATACAGTT 876

Qy        590 TTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGG 649
              |  |      |||  ||||| |||||  ||       ||| | | |  |  ||||| |||
Db        877 TGGGCTACAAGATGGGACAAGTATCTACAT------ATTTATGATCCGCAAATTCAATGG 930

Qy        650 TTTTCAATTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATT 709
              |||||  |  | || | || ||| ||  | || ||  |       | |||        |
Db        931 TTTTCTTTAATTAATTTCTCCATCATCATCATTTTACTATCATCTGTGGTTATTCATTCT 990

Qy        710 TTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGAT 769
              || |  |  | | |  | |||| ||| || || |  ||                 | |
Db        991 ATACTTCGGGCTGTGAAGAGTGATTTTGCCCGTTATAACGAA----------CTTCAC 1038
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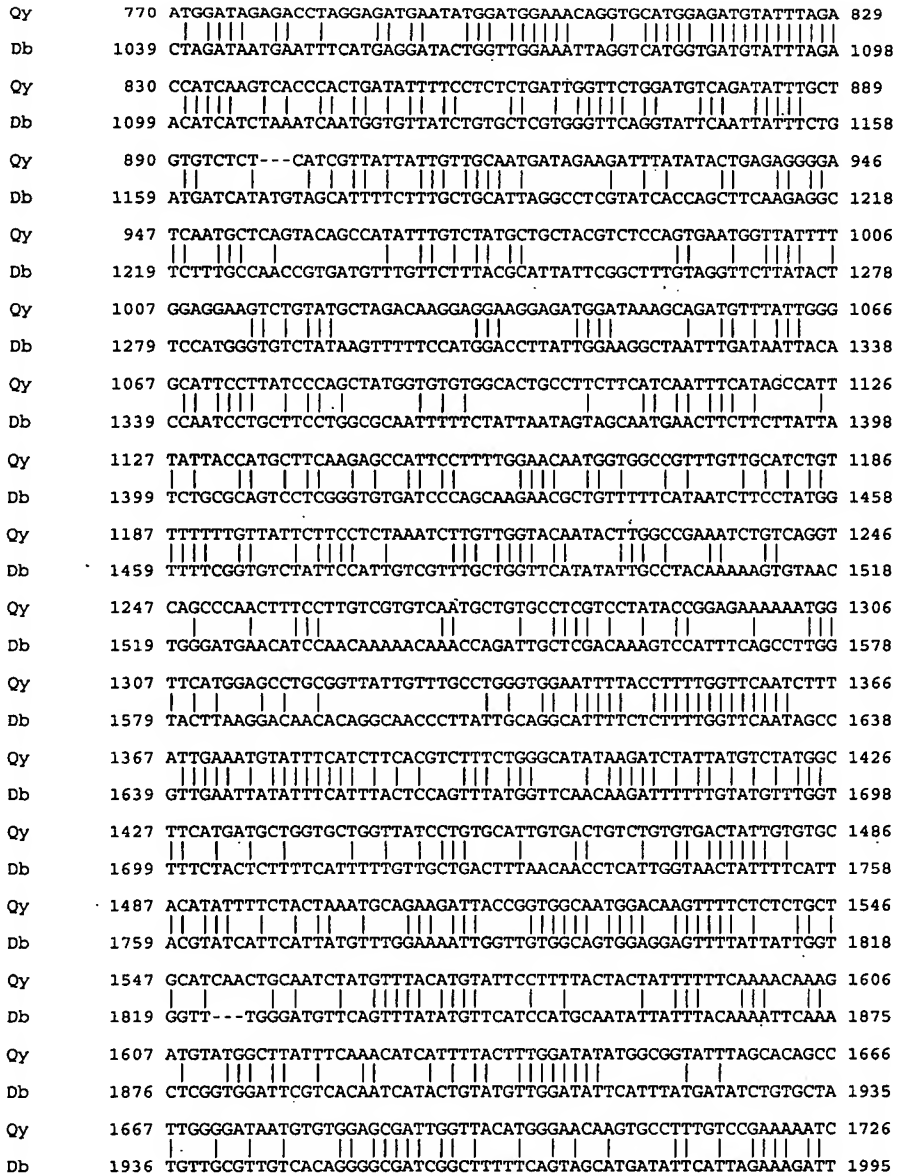
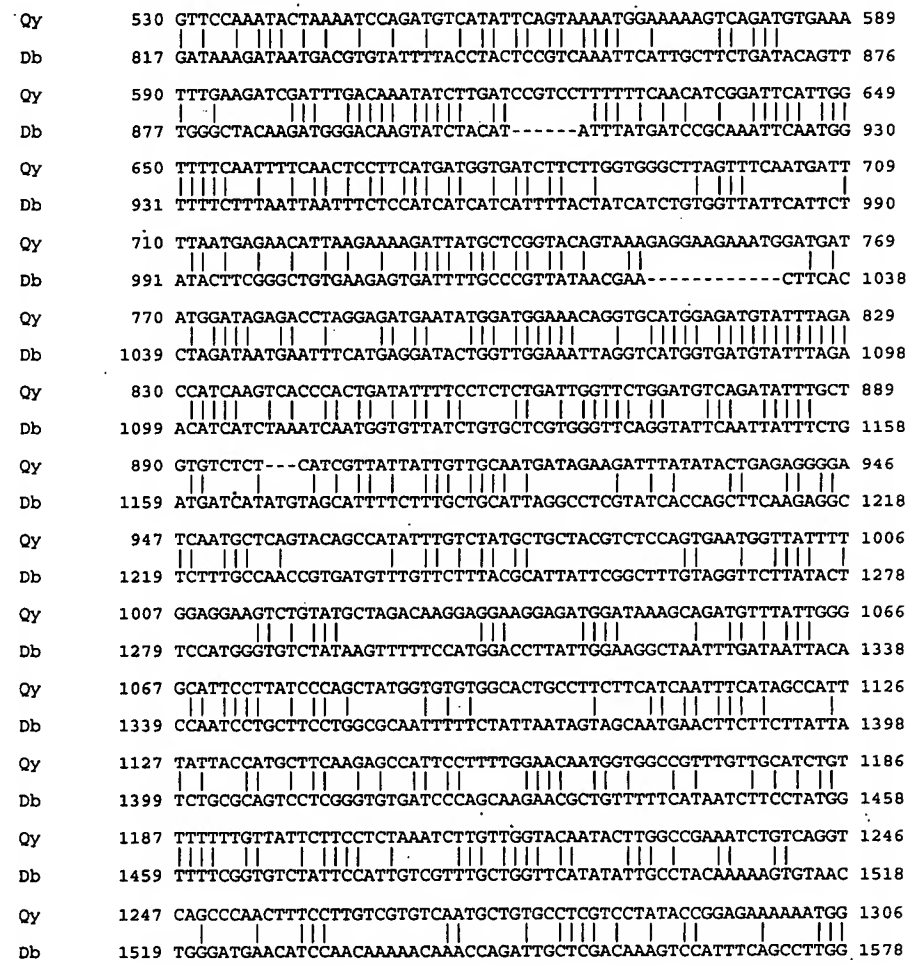
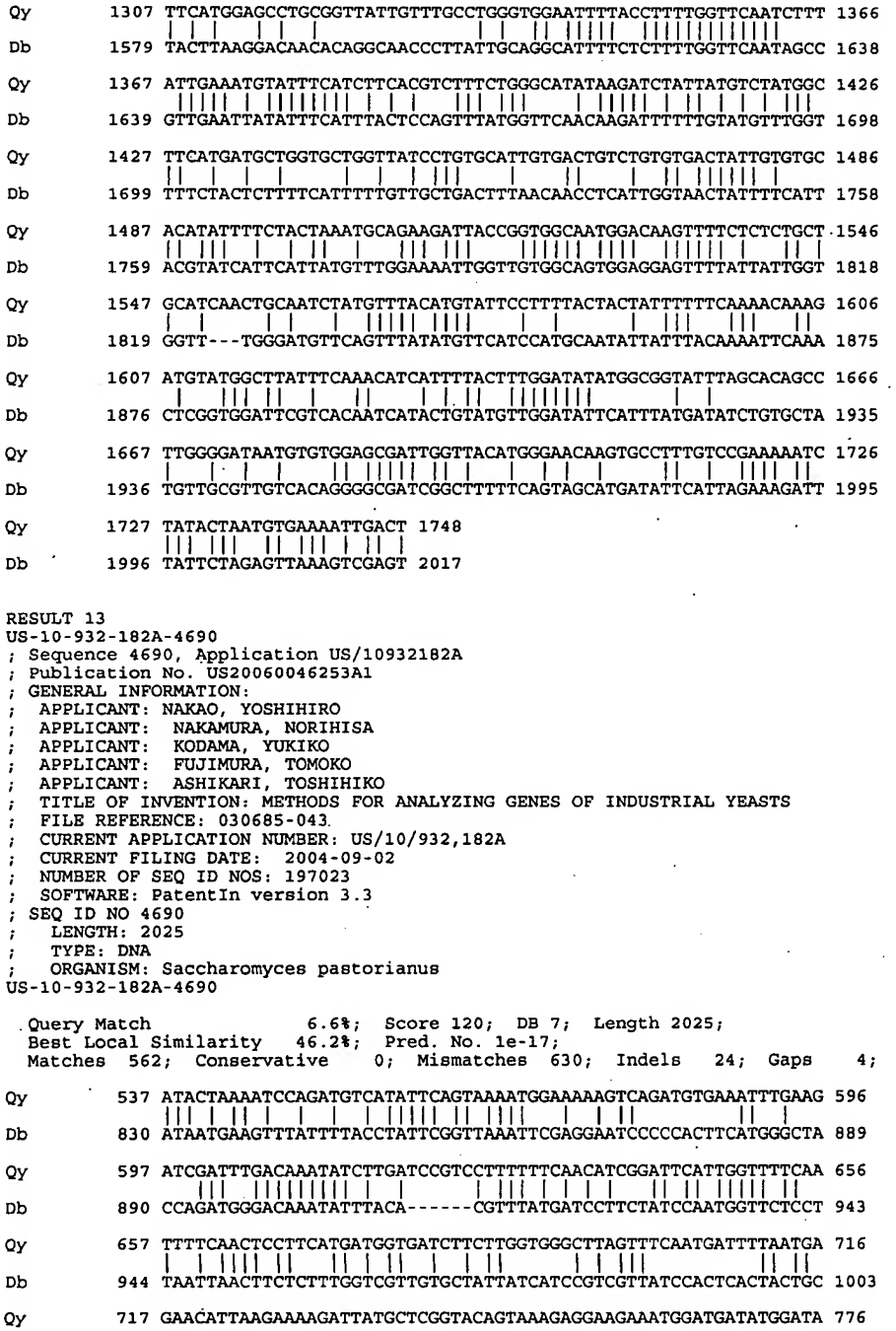


RESULT 12
US-10-932-182A-478
; Sequence 478, Application US/10932182A
; Publication No. US20060046253A1

; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
; LENGTH: 2019
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-478

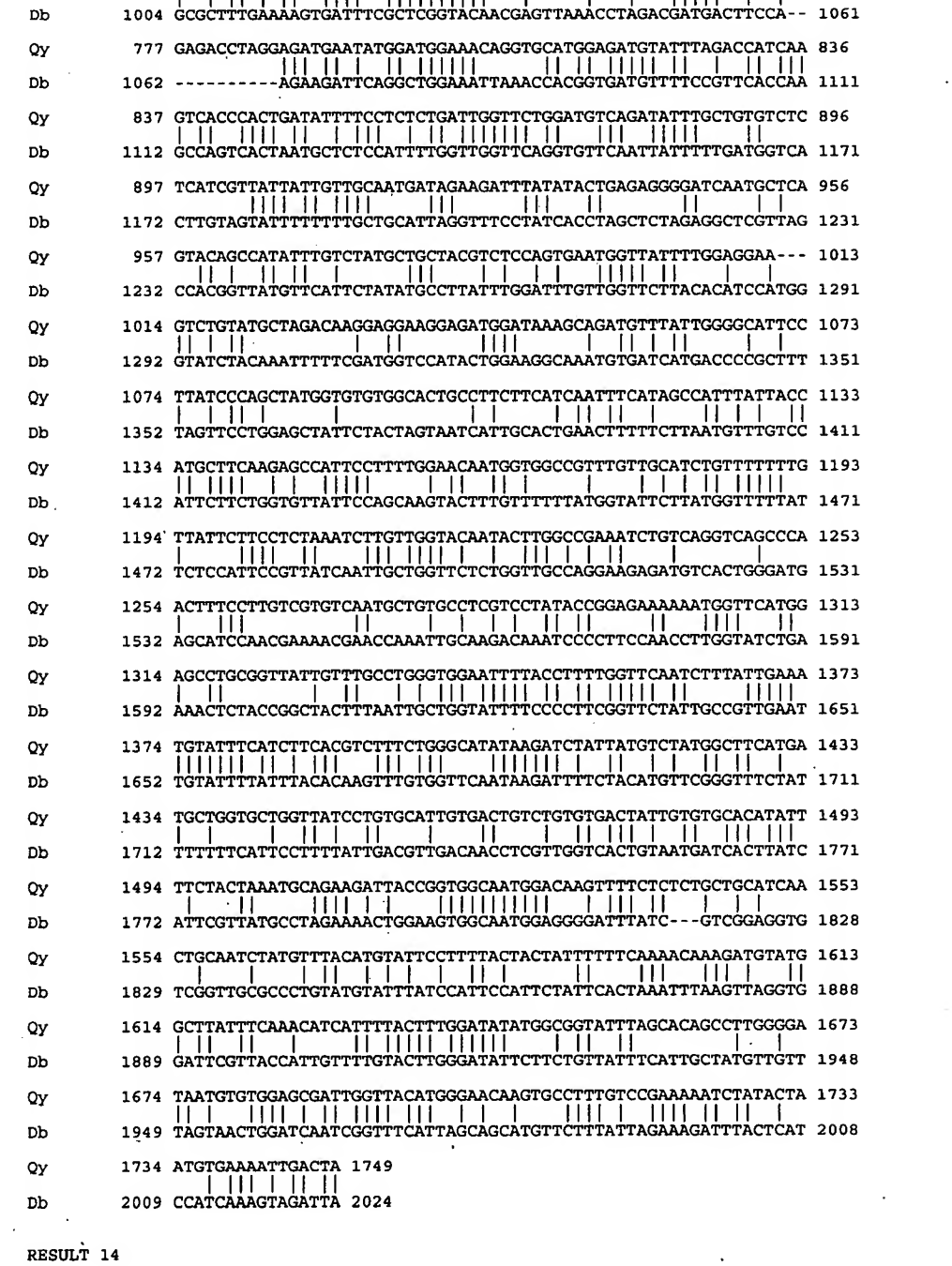
Query Match 6.8%; Score 124.4; DB 7; Length 2019;
Best Local Similarity 46.4%; Pred. No. 9.5e-19;
Matches 567; Conservative 0; Mismatches 631; Indels 24; Gaps 4;





RESULT 13
US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4690
; LENGTH: 2025
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

Query Match 6.6%; Score 120; DB 7; Length 2025;
Best Local Similarity 46.2%; Pred. No. 1e-17;
Matches 562; Conservative 0; Mismatches 630; Indels 24; Gaps 4;



RESULT 14

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US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
;  APPLICANT: NAKAO, YOSHIHIRO
;  APPLICANT:  NAKAMURA, NORIHISA
;  APPLICANT:  KODAMA, YUKIKO
;  APPLICANT:  FUJIMURA, TOMOKO
;  APPLICANT:  ASHIKARI, TOSHIHIKO
;  TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
;  FILE REFERENCE: 030685-043
;  CURRENT APPLICATION NUMBER: US/10/932,182A
;  CURRENT FILING DATE:  2004-09-02
;  NUMBER OF SEQ ID NOS: 197023
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4690
;   LENGTH: 2025
;   TYPE: DNA
;   ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

  Query Match             6.6%;  Score 120;  DB 7;  Length 2025;
  Best Local Similarity   46.2%;  Pred. No. 1e-17;
  Matches  562;  Conservative    0;  Mismatches  630;  Indels   24;  Gaps    4;

Qy        537 ATACTAAAATCCAGATGTCATATTCAGTAAAATGGAAAAAGTCAGATGTGAAATTTGAAG 596
              ||| | || |  |  | | ||||| || ||||   |  | ||          ||  |
Db        830 ATAATGAAGTTTATTTTACCTATTCGGTTAAATTCGAGGAATCCCCCACTTCATGGGCTA 889

Qy        597 ATCGATTTGACAAATATCTTGATCCGTCCTTTTTTCAACATCGGATTCATTGGTTTTCAA 656
                |||  |||||||||  |  |      | ||| | | |   || || |||||  ||
Db        890 CCAGATGGGACAAATATTTACA------CGTTTATGATCCTTCTATCCAATGGTTCTCCT 943

Qy        657 TTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGA 716
              |  | |||| ||   || | ||  |  | ||       | | |||           || ||
Db        944 TAATTAACTTCTCTTTGGTCGTTGTGCTATTATCATCCGTCGTTATCCACTCACTACTGC 1003

Qy        717 GAACATTAAGAAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATA 776
              |  | || | ||  ||||  ||||||||||  |     |   |  |||||  |  |
Db       1004 GCGCTTTGAAAAGTGATTTCGCTCGGTACAACGAGTTAAACCTAGACGATGACTTCCA-- 1061

Qy        777 GAGACCTAGGAGATGAATATGGATGGAAACAGGTGCATGGAGATGTATTTAGACCATCAA 836
                      ||| || |  || ||||||      || || ||||| ||  |  || |||
Db       1062 ----------AGAAGATTCAGGCTGGAAATTAAACCACGGTGATGTTTTCCGTTCACCAA 1111

Qy        837 GTCACCCACTGATATTTTCCTCTCTGATTGGTTCTGGATGTCAGATATTTGCTGTGTCTC 896
              | ||  |||| ||  | |||  | ||| |||||||| ||   |||  |||||     ||
Db       1112 GCCAGTCACTAATGCTCTCCATTTTGGTTGGTTCAGGTGTTCAATTATTTTTGATGGTCA 1171

Qy        897 TCATCGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCA 956
                  |||| || ||||    |||     |||  |+|      ||    .  | |
Db       1172 CTTGTAGTATTTTTTTTGCTGCATTAGGTTTCCTATCACCTAGCTCTAGAGGCTCGTTAG 1231

Qy        957 GTACAGCCATATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAA--- 1013
              || | || ||  |       |||     | |  | |  |||||  ||     |   |
Db       1232 CCACGGTTATGTTCATTCTATATGCCTTATTTGGATTTGTTGGTTCTTACACATCCATGG 1291

Qy       1014 GTCTGTATGCTAGACAAGGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGGCATTCC 1073
              || | ||           | ||       ||||      |  || | ||     |  |
Db       1292 GTATCTACAAATTTTTCGATGGTCCATACTGGAAGGCAAATGTGATCATGACCCCGCTTT 1351

Qy       1074 TTATCCCAGCTATGGTGTGTGGCACTGCCTTCTTCATCAATTTCATAGCCATTTATTACC 1133
              |  | |.|  |        |           | || ||  |     ||  | |  ||
Db       1352 TAGTTCCTGGAGCTATTCTACTAGTAATCATTGCACTGAACTTTTTCTTAATGTTTGTCC 1411

Qy       1134 ATGCTTCAAGAGCCATTCCTTTTGGAACAATGGTGGCCGTTTGTTGCATCTGTTTTTTTG 1193
              || ||||  | |  |||||      | ||  || |      |     | | | || |||||
Db       1412 ATTCTTCTGGTGTTATTCCAGCAAGTACTTTGTTTTTTATGGTATTCTTATGGTTTTTAT 1471

Qy       1194 TTATTCTTCCTCTAAATCTTGTTGGTACAATACTTGGCCGAAATCTGTCAGGTCAGCCCA 1253
              |    ||||  ||   ||| |||| |  |  ||| | |  ||    |        |
Db       1472 TCTCCATTCCGTTATCAATTGCTGGTTCTCTGGTTGCCAGGAAGAGATGTCACTGGGATG 1531

Qy       1254 ACTTTCCTTGTCGTGTCAATGCTGTGCCTCGTCCTATACCGGAGAAAAAATGGTTCATGG 1313
              |  |||          ||      |  |  | |  || ||      ||  ||||   ||
Db       1532 AGCATCCAACGAAAACGAACCAAATTGCAAGACAAATCCCCTTCCAACCTTGGTATCTGA 1591

Qy       1314 AGCCTGCGGTTATTGTTTGCCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAA 1373
              |  ||          |  ||   | | ||| ||||| || || ||||| ||     |||||
Db       1592 AAACTCTACCGGCTACTTTAATTGCTGGTATTTTCCCCTTCGGTTCTATTGCCGTTGAAT 1651

Qy       1374 TGTATTTCATCTTCACGTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGA 1433
              ||||||| || | |||   ||| |||     |||||||  |  ||  | |  || ||  |
Db       1652 TGTATTTTATTTACACAAGTTTGTGGTTCAATAAGATTTTCTACATGTTCGGGTTTCTAT 1711

Qy       1434 TGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTCTGTGTGACTATTGTGTGCACATATT 1493
              |  |      |  || |  ||     |      ||     |  || ||| |  ||  ||| |||
Db       1712 TTTTTTCATTCCTTTTATTGACGTTGACAACCTCGTTGGTCACTGTAATGATCACTTATC 1771

Qy       1494 TTCTACTAAATGCAGAAGATTACCGGTGGCAATGGACAAGTTTTCTCTCTGCTGCATCAA 1553
              |   ||  |||| | |    ||||||||||  | ||| ||  |  | |
Db       1772 ATTCGTTATGCCTAGAAAACTGGAAGTGGCAATGGAGGGGATTTATC---GTCGGAGGTG 1828

Qy       1554 CTGCAATCTATGTTTACATGTATTCCTTTTACTACTATTTTTTCAAAACAAAGATGTATG 1613
                |    |   | ||  | | |  | || |      ||    |||  ||| |   ||
Db       1829 TCGGTTGCGCCCTGTATGTATTTATCCATTCCATTCTATTCACTAAATTTAAGTTAGGTG 1888

Qy       1614 GCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGTATTTAGCACAGCCTTGGGGA 1673
              | ||  ||   |    || ||||| ||||||    | ||  ||          |   |
Db       1889 GATTCGTTACCATTGTTTTGTACTTGGGATATTCTTCTGTTATTTCATTGCTATGTTGTT 1948

Qy       1674 TAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATACTA 1733
              || |   |||| | || |||| |||  | |  |    |||| |  |||| || ||  |
Db       1949 TAGTAACTGGATCAATCGGTTTCATTAGCAGCATGTTCTTTATTAGAAAGATTTACTCAT 2008

Qy       1734 ATGTGAAAATTGACTA 1749
                | ||| | || ||
Db       2009 CCATCAAAGTAGATTA 2024


RESULT 15
US-11-000-688-1308
; Sequence 1308, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
;  APPLICANT: BERTUCCI, Francois
;  APPLICANT:  HOULGATTE, Remi
;  APPLICANT:  BIRNBAUM, Daniel
;  TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
;  FILE REFERENCE: 1423-R-03
;  CURRENT APPLICATION NUMBER: US/11/000,688
;  CURRENT FILING DATE:  2004-12-01
;  PRIOR APPLICATION NUMBER: US 60/525,987
;  PRIOR FILING DATE: 2003-12-01
;  NUMBER OF SEQ ID NOS: 1596
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1308
;   LENGTH: 424
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial sequences:primer
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(424)
;   OTHER INFORMATION: 3' terminal sequence from clone
;   OTHER INFORMATION: image:546351. transmembrane 9 superfamily member
;   OTHER INFORMATION: 2(TM9SF2) gene.
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (2)..(2)
;   OTHER INFORMATION: n is a, c, g, or t
US-11-000-688-1308

  Query Match             5.6%;  Score 101.6;  DB 12;  Length 424;
  Best Local Similarity   53.1%;  Pred. No. 9.4e-14;
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  Matches  215;  Conservative    0;  Mismatches  190;  Indels    0;  Gaps    0;

Qy       1349 CCTTTTGGTTCAATCTTTATTGAAATGTATTTCATCTTCACGTCTTTCTGGGCATATAAG 1408
              | |||||| |  ||||||||  |  | |  |||||  | |       | ||| |  |  ||
Db          1 CNTTTTGGCTGCATCTTTATACAGCTTTTCTTCATTCTGAATAGCATTTGGTCCCACCAG 60

Qy       1409 ATCTATTATGTCTATGGCTTCATGATGCTGGTGCTGGTTATCCTGTGCATTGTGACTGTC 1468
              || |||||  | | ||| ||| || | |||||| |  | ||  ||   |||      | |
Db         61 ATGTATTACATGTTTGGTTTCCTGTTTCTGGTGTTTATCATTTTGGTTATTACCTGTTCC 120

Qy       1469 TGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGTGGCAATGG 1528
                |  |||||  |       || ||||  |||  |||||| |||||||  ||||| |||
Db        121 GAAGCAACTATACTTCTTTGCTACTTTCACCTATGTGCAGAGGATTACCATTGGCAGTGG 180

Qy       1529 ACAAGTTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTACATGTATTCCTTTTACTAC 1588
                || ||  |    |  |  || ||  | ||  |    || ||  || |  |||||
Db        181 CGTTCCTTCCTTACCAGCGGCTTCACAGCTGTTTACTTCCTGATATACGCCATACACTAC 240

Qy       1589 TATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATG 1648
              |  || | ||||    ||||    ||   |      |||    | ||||| || ||||
Db        241 TTCTTCTCCAAACTGCAGATCACGGGGACAGCAAGTACAATCCTGTACTTCGGTTATACT 300

Qy       1649 GCGGTATTTAGCACAGCCTTGGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGT 1708
                | || |          |||     |  |    ||| | ||||| | | | | |     |
Db        301 ATGATAATGGTTTTGATCTTCTTCCTTTTTACAGGAACAATTGGCTTCTTTGCATGCTTT 360

Qy       1709 GCCTTTGTCCGAAAAATCTATACTAATGTGAAAATTGACTAGAGA 1753
                |||||    ||||| || | |   ||||||  | ||||  |||
Db        361 TGGTTTGTTACCAAAATATACAGTGTGGTGAAAGTGGACTGAAGA 405


Search completed: March 10, 2006, 22:46:14
Job time : 590.727 secs
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